

Medical Alumni Bulletin

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SCHOOL OF MEDICINE

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

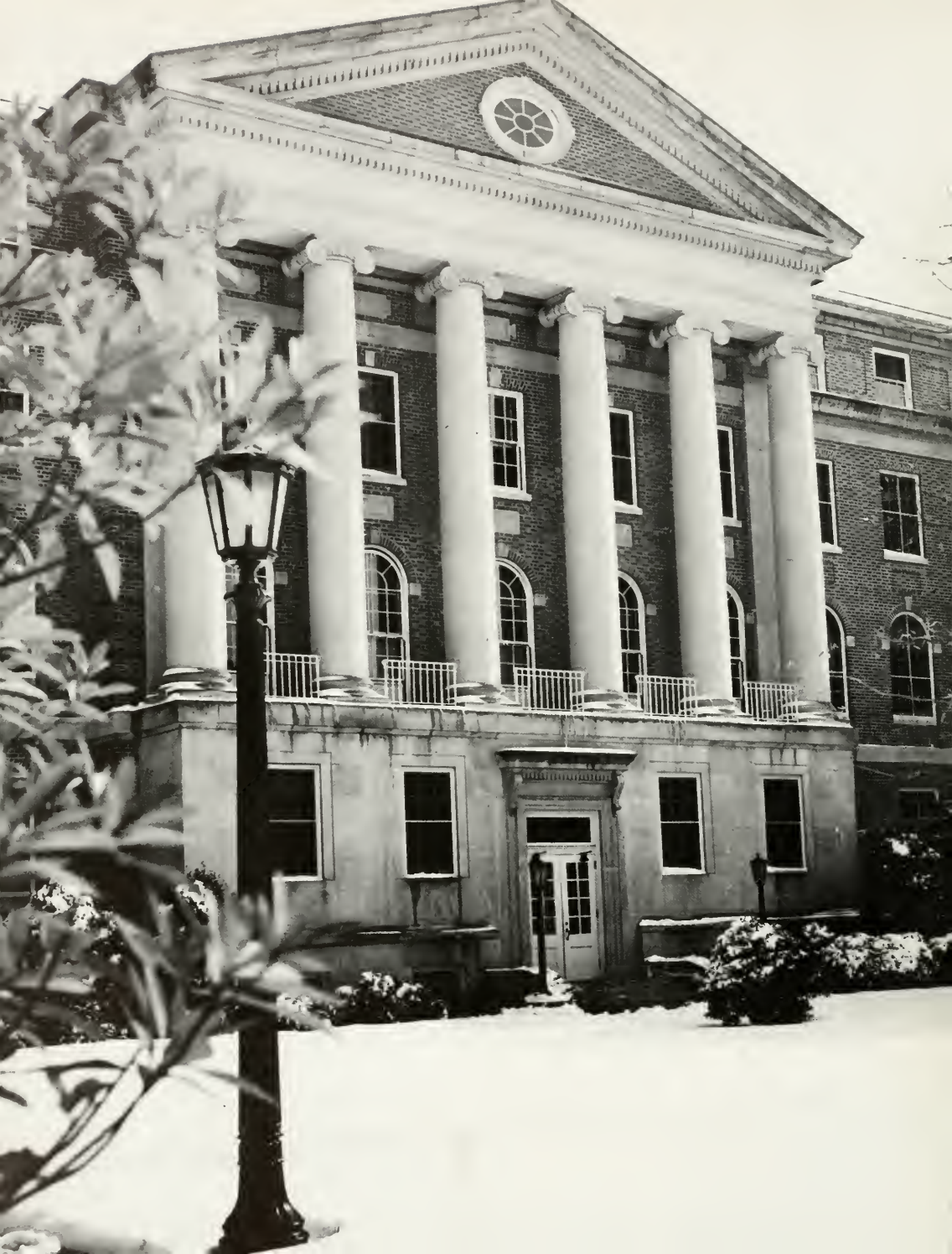


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Medical Alumni Bulletin

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ON THE COVER: Dr. Roger E. Salisbury, director of the Burn Center at N.C. Memorial Hospital, demonstrates a new kind of artificial skin to RN Clarestine Evans.

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Dr. Oscar L. Sapp III

Associate Dean for Alumni Affairs
and Continuing Education

Dr. Oscar L. Sapp, III, 52, associate dean for alumni affairs and continuing education in the School of Medicine, died at his home Sunday, Jan. 22.

A professor of medicine and a specialist in gastroenterology, Sapp came to Chapel Hill in 1960 as an instructor in medicine. He was named associate dean in 1972 and was known across the state as a leader in the School of Medicine's alumni and continuing education activities.

Dr. Christopher C. Fordham III, vice-chancellor for health affairs and dean of the School of Medicine, said "All of us in the medical school are deeply saddened by Dr. Sapp's death. He was a trusted and highly valued colleague who contributed a great deal to the school, the University and the state. We will miss him."

Said UNC President William C. Friday: "Oscar Sapp was a highly valued colleague and friend who served the University medical school and those hundreds of his patients with high competence and personal devotion. His sense of dedication was inspiring and we shall miss him greatly."

While not an alumnus of the School of Medicine, Sapp was known for his loyalty to the institution. As the first director named to the newly established Office of Alumni Affairs in 1972, the native North Carolinian was valued as a leader who knew many physicians throughout the state.

Sapp stressed continuing education programs for North Carolina physicians not only in Chapel Hill but also in other areas and would work with the Area Health Education Center program and other medical schools in developing programs.

He was a member of local, state and national medical associations, a Fellow of the American College of Physicians and a member of the Society of Sigma Xi.

Sapp completed his undergraduate work at Guilford and Wake Forest Colleges. He earned his M.D. degree in 1947 from the Bowman Gray School of Medicine where he was awarded its Distinguished Alumnus Award in 1972.

He is survived by his wife, Inez J. Sapp; three daughters, Rebecca Leah, a student at UNC-CH; Judith Anne, a student at Campbell College and Miriam Elaine of the home; his mother, Mrs. O. L. Sapp Jr. of Greensboro and a sister, Mrs. Elton Edwards of Greensboro.

Sarah T. Morrow talks about medical needs for a state

It was a tale Sarah T. Morrow '43 enjoyed telling. She would smile and then gesture as she told a story about "treating everything from hawk bites to heart trouble."

It's in that same grassroots medicine where Dr. Morrow, now the state's Secretary for the Department of Human Resources, thinks the biggest gains can be made in the health care delivery system.

Since taking office about a year ago, Dr. Morrow says she has worked to bring state and local government closer together. Health departments in North Carolina need the state's financial aid to provide the kind of health care only they can determine they must have, she says.

It's not a matter of cost—she doesn't expect her department's \$942 million budget to substantially increase—but one of organization.

"We need to know where the difficulties are," Dr. Morrow says. She adds that the answers are often found at home.

If she sounds a bit like a pioneer, Dr. Morrow explains, "I've been there."

She is a pediatrician by training. Dr. Morrow finished the two-year medical school at UNC, received her MD degree from the University of Maryland at Baltimore at age 23 and trained in pediatrics in Charlotte and Atlanta hospitals. But her young patients have mostly been her six children.

After marrying surgeon Thomas L. Morrow, she took up homemaking until she had enough time to work for the county health department in rural Chester, S.C.

A more urban professional life began in 1960, when Dr. Morrow became associate director of the Guilford County Health Department. She was named director there in 1968.

"Had I not run a county health department, I would not be aware of their potential," she says.

In Guilford County, Dr. Morrow often found herself on the side opposing the human resources department. As President of the North Carolina Public Health Association, she recommended names of candidates for the human resources Secretaryship to newly-elected Gov. James B. Hunt Jr.

When Hunt offered the job to Dr. Morrow, she said, "I decided I had quarreled with human resources enough. Here was a chance to put up or shut up."



Dr. Sarah T. Morrow discusses plans for improving the health care for North Carolinians



Her children, mostly grown, advised her to pursue her own career. Dr. Morrow's husband had died in 1974.

Today, she says county health department directors feel they have a sympathetic ear.

Also a graduate with a master's degree from the UNC School of Public Health, Dr. Morrow names two target areas for improving health care in the state: newborn children and the elderly, those persons most often in the health care system.

For the elderly, home health services, clean-up services and food brought to the home can be an alternative to institutional care, she says.

But it is the state's poor 47th rank in infant mortality statistics which shows health care to be of critical importance early on.

It's local health departments who are best suited to pinpoint their community needs in these areas, because they have less bureaucracy, local resources available and more time than private physicians, Dr. Morrow says.

Up to 75 percent of prenatal care problems are caused by socioeconomic problems, which may effect the health of the mother and child, she explains. Health departments not only have doctors and nurses, but nutritionists, and they have other local agencies available to them.

Says the Secretary: "If we can reduce risks and up the chances of a mother delivering a normal child, then perhaps we won't be faced with problems due to poverty or ignorance.

"We're not over the hump in health

care delivery," she observes, noting that health is at least indirectly tied to most of the services under her office.

She has changed a 4-year-old screening program to focus on infants. We must improve our data collection system, Dr. Morrow emphasizes. "Ninety-nine percent of babies are born in hospitals—they are a captive group."

With 80,000 babies born each year in North Carolina, only a limited number have been evaluated during infancy, Dr. Morrow says. We have not known many of the coming needs for the handicapped until seeing them in kindergarten. By then it's too late to prevent complications resulting from a handicap."

For those without private physicians, Dr. Morrow says public health personnel can follow mother and child to insure proper medical care, good nutrition and other essential needs. Identifying and following high-risk pregnant women and offering good prenatal care is another project.

Part of North Carolina's health problem is that there aren't enough doctors in the state, she says, especially in the rural areas. She concedes that medical schools are combating the problem, through programs like UNC's Area Health Education Center project where students and residents at nearby N.C. Memorial Hospital spend time in outside primary care settings.

"I recognize the constraints of the ability of the state to do all things, but we have asked doctors to do too much," she says. "They can't go 24 hours a day.

"We need assistance with services, more primary care, particularly as related to the poor." Family nurse practitioners and physician's assistants in county health departments can help relieve some of the burden along with working local doctors as their extended arm."

Dr. Morrow says much of the answer is in establishing priorities. She said, "I'm not proposing anything for the state that I haven't tried at the local level.

"Prevention, both primary and secondary, must be emphasized."

□

Extracts

Fordham named chairman-elect

Christopher C. Fordham III, dean of the School of Medicine, has been named chairman-elect of the Council of Deans of the American Association of Medical Colleges.

The Council of Deans, one of four governing bodies of the AAMC, is composed of deans of all American medical schools.

As chairman, Dr. Fordham will preside over meetings of the 120-member council and represent its membership on the AAMC executive council. He will take office next October.

He has served as dean since 1971. In January 1977, Dr. Fordham was named vice chancellor for health affairs here.

Before coming to Chapel Hill, Dr. Fordham was Vice President for Medicine and Dean of the School of Medicine at the Medical College of Georgia at Augusta.

He is a former chairman of the AAMC Southern Regional Deans group and presently is serving a three-year term on the AAMC executive council.

A native of Greensboro and a UNC-CH alumnus, Dr. Fordham earned his MD degree from Harvard University.



Medical educators from Germany learn about continuing education programs at the School of Medicine.

Polish, Germans visit UNC-CH

Government officials and medical educators from Poland and Germany came to Chapel Hill this winter to discuss medical education.

The Polish visit, co-hosted by the schools of medicine at UNC and Duke University, was an international symposium focusing on a wide range of health care topics confronting both countries.

It was sponsored by the U.S. Department of Health, Education and Welfare and the Polish Ministry of Health and Social Welfare.

Representatives from the German Medical Association met

with officials of the UNC School of Medicine to learn about U.S. continuing medical education programs here.

The visitors learned about the Area Health Education Center program, and officials described standardized programs and accreditation procedures in medical education.

Erwin Odenbach, a German neurologist and psychiatrist, said the German Medical Association is trying to establish a uniform system for its programs.

Rickets studied

Two School of Medicine researchers have received a renewed March of Dimes birth defects grant to study a form of rickets that can't be eliminated by vitamin D.

E. Joseph Walton Jr., assistant professor of medicine, and T. Kenney Gray, associate professor of medicine and pharmacology, will continue their study of familial hypophosphatemic rickets with the \$24,000 grant. They hope to help pinpoint the causes of the disease and suggest more effective treatment.

FHR is an inherited form of rickets that is resistant to vitamin D treatment. In some patients, calcium and phosphates are not adequately absorbed into the blood from the digestive tract. This results in growth retardation and deformities of bones and joints.

Drs. Walton and Gray, who have studied mineral absorption in portions of the small intestine, have found that some FHR patients also show abnormal absorption of water and sodium while others do not. They say this may indicate that FHR is actually two or more similar disorders with different underlying disturbances of metabolism or nutrient absorption.



Children who are psychiatric patients at N.C. Memorial Hospital are among those who benefit from the horticultural therapy program at the Botanical Gardens.

Garden is good for the gardeners

It was a bumper crop. Red tomatoes, yellow crookneck squash, green peppers, colorful flowers and even cantaloupes flourished.

The gardeners, all patients at N.C. Memorial Hospital, had good reason to be proud. Their garden was one of the few in Chapel Hill to survive last summer's drought in fairly good shape. But in their case, the garden was also good therapy.

Developed by the staff at the North Carolina Botanical Garden and occupational therapists at N.C. Memorial Hospital, the garden is used for recreational and therapeutic activities for the hospital's psychiatric patients.

For nearly three years the N.C.

Botanical Gardens at the University has been introducing patients to plants and nature through its pilot program of horticultural therapy.

They have put on nature walks for the blind, terrarium and dish garden workshops for hospitals and nursing homes and have developed programs for hyperactive children and retarded adults.

"It's important for people who are handicapped or sick and hospitalized to feel a part of life," said Harry Phillips, a member of the Botanical Garden staff. "It's amazing to see them literally wake up, getting their hands in the soil and constructing something they could take home with them."



Dr. William E. Easterling Jr.

Mix education with service

We must work toward education and service, not education versus service in an acute care hospital, William E. Easterling Jr., vice dean of the School of Medicine and chief of the medical staff of N.C. Memorial Hospital, told an Allied Health Colloquium audience Oct. 19 at Berryhill Hall.

Speaking on "Service Versus Education in an Acute Care Hospital," Dr. Easterling said the ultimate consideration is the perfect integration of the two activities, a delicate balance that, when achieved, makes it difficult to identify one from the other.

The excellence of both activities at Memorial Hospital comes from a "high level of sensitivity and caring" among faculty and employees that is passed on in "the single most important aspect of clinical medical education—the role model.

"We are not all great teachers but we should all be good practitioners," he said. Skillful service rendered in the most sensitive and empathetic model relationship—involving the student—is clinical education "at its finest, at its peak."

Keeping the relationships in balance requires constant re-examination, and that includes continuing education. Dr. Easterling believes that one of the most effective ways to update health

care professionals is to bring them back into the education and service environment of the teaching hospital for several weeks, a program that is logistically mind-boggling, but may be achievable.

"The value of the role model function cannot be overemphasized as the most if not the only effective process for teaching the team concept." As medical care becomes more complex so do the roles and relationships on the health care team, he said. The smoothness and effectiveness of the team interaction represents one of the greatest challenges to the education and service operation.

A major evaluation program just launched by the Joint Commission on Accreditation of Hospitals will require direct personal involvement of more team members, recognizing the need "to bring to focus the broad base of expertise as represented in the health care teams."

Dr. Easterling concluded by noting a trend toward separating the funding of patient care and education, appropriate where the costs are clearly one or the other. "But we must be very cautious not to let this business dis-integrate the careful integration of the two, certainly at least not our perception of the mix."

Cell activity study begins

The National Science Foundation has approved a \$13,000 grant to H. Stanley Bennett, Sarah Graham Kenan professor of biological and medical sciences and professor of anatomy at the School of Medicine, for a two-year study of intercellular junctions.

The study will be in cooperation with Prof. Kiyoski Hama of the Institute of Medical Sciences of Tokyo University in Japan. Its aim is to improve understanding of the molecular equipment used when two adjacent cells in the body cooperate by establishing specialized area of contact for purposes of mutual benefit.

Carolina, Georgia heart attack area

Scientists from across the country met Dec. 8 in Chapel Hill to discuss why persons in North and South Carolina and eastern Georgia are more likely to suffer heart attacks and strokes than others.

The John C. Cassell Memorial Symposium, sponsored by the department of epidemiology in the School of Public Health, held the session, "The Enigma of Increased Cardiovascular Disease in Eastern Georgia and the Carolinas."

Keynote speakers were Dr. Curtis G. Hames, a central figure in the worldwide study of heart disease and Dr. H. A. Tyroler, internationally known for his work on the problems of heart disease and a UNC-CH professor of epidemiology.

The symposium also examined recent cancer studies because cancer, like heart disease, shows geographic patterns. Dr. Albert Sabin, known internationally for his work on the polio vaccine, discussed his research on the role of virus in cancer.

Common cold linked with lung disease?

Researchers at the School of Medicine and the Frank Porter Graham Child Development Center are looking into a possible link between the common cold in children and chronic lung diseases later in life.

Wallace Clyde, professor of pediatrics and head of the research team, said recent evidence indicates that a child's lungs are more seriously affected by colds in the nose and throat than had been thought previously.

"We have found that during the course of the illness and lasting up to a month afterwards, there are some disturbances in the normal functioning of the lungs," Dr. Clyde explained. "This has to do mainly with the flow of air back

and forth through the smaller branches of the airways in the lungs."

The researchers are following a group of 55 children from ages 2½ to 12, and plan to add 14 children each year until 1981. They will follow the children through the sixth grade.

Albert Collier, assistant professor of pediatrics and director of FPG's health research program, said studying the same group of children will help them learn "which specific childhood infections affect lung growth the most."

The research, funded by the National Heart, Lung and Blood Institute and the Environmental Protection agency, is in part an effort to identify those people who stand a high risk of chronic lung disease, Dr. Collier said.

Chapel Hill was selected by EPA as an area with relatively clean air, and children tested here will be compared with those tested where the air is more polluted.

December graduates

December graduates of the School of Medicine are: James J. Bedrick, Livingston, N.J.; Martha L. Elks, Scotland Neck; Elizabeth R. Gamble, Lincolnton; Uiril C. Greene, Goldsboro; Gregory L. Jones, Greenville; Thomas E. Lauer, High Point; Charles S. McGaw, Windsor; William L. Miller, Durham; William E. Perry, Kinston; William D. Snider, Hopkinsville, Ky.; Alan D. Stiles, Canton; Charles F. Timmons Jr., Charlotte.

Correction

In our last issue, we referred to Walter Hollander Jr. as an associate professor of medicine who recently retired after more than 20 years on the faculty of the School of Medicine. Dr. Hollander is a professor of medicine emeritus. The editors regret the error.



Dr. Lamar E. V. Ekbladh, assistant professor of obstetrics and gynecology, examines a potential homestyle delivery room patient at N.C. Memorial Hospital.

Infant delivery — homestyle

Ob-Gyn physicians at N.C. Memorial Hospital, seeking to improve the atmosphere for hospital childbirth, have been operating a homestyle delivery room.

Since last May, more than 30 women have delivered babies there.

Lamar E. V. Ekbladh, assistant professor of obstetrics and gynecology with the School of Medicine and Memorial Hospital and one of the program's pioneers, said an increasing number of women are having babies outside a hospital. He hopes the plan will bridge the gap between that setting and safety.

On the outside, Labor Room I resembles the other labor rooms nearby. But inside is all the difference. It could almost be a bedroom at home.

A vanity-style sink replaces the traditional hospital form and pictures hang on the wall. There's even a rocking chair and curtains.

Getting started wasn't difficult, Dr. Ekbladh said. Hospital officials asked only that general safety regulations be enforced. That meant some compromise, such as no rugs in the room.

What isn't compromised is safety. Women who elect the homestyle delivery program are low-risk labor patients who have usually attended childbirth preparation classes.

Despite the apparent non-hospital look, out of view but nearby

stands pediatric resuscitation equipment, ready just in case. Likewise, the location of other delivery rooms make easy transfers possible during emergencies.

Who requests to deliver in the homestyle delivery room?

"A person very emotionally involved in its psychological benefits," Dr. Ekbladh said. Homestyle delivery makes the patients happy, he added, and if it draws one woman who would have otherwise delivered outside the hospital, "It's worth it."

Fund reaches half way mark



The Robert A. Ross Obstetrical and Gynecological Society has passed the half way mark toward its \$150,000 goal for the Leonard Palumbo Endowment Fund.

The fund would establish a professorship in gynecologic oncology at the School of Medicine in honor of Dr. Palumbo, who was a member of the medical school faculty until his death in 1974.

The Palumbo family has pledged \$100,000 if other gifts total \$150,000.

Contributions to the fund can be sent to the Medical Foundation of North Carolina Inc., 302 South Building, Chapel Hill, N.C. 27514.

Skin bank—another milestone

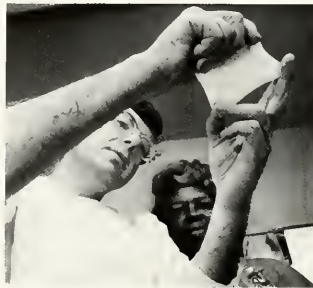
Several milestones have been reached since the effort to build a burn center for North Carolina began in the early 70's. The North Carolina Jaycees made the project the chief beneficiary of their fund-raising campaign. Roger E. Salisbury, a plastic surgeon, was named director, and construction began on the hospital wing that will house the new facility. Last January came the announcement of the beginning of a skin bank. The following stories explore the center's progress as well as explain what a burn center does and why the one in Chapel Hill is going to be special.

The best material yet discovered for covering the wounds of burn victims, other than the patient's own skin, is skin obtained from recently deceased people. But at present, such skin is rarely available.

To assure an adequate supply of this "biologic dressing" the first skin bank in the state is being established as part of the North Carolina Jaycee Burn Center at N. C. Memorial Hospital.

Special equipment has been ordered for freezing and storing skin to be taken from the bodies of donors throughout the Piedmont. It is expected to be ready for use next spring.

Roger E. Salisbury, director of the Burn Center and UNC-CH associate professor of surgery, says the use of biological dressings has been one of the great advances in burn care in the last 20 years.



"We have found that human or animal skin placed over large, open wounds has several benefits. It makes the patient more comfortable and, in many cases, allows him to move parts of the body that before had been too painful."

Dr. Salisbury says biologic dressings also cleanse the wound, which reduces the number of bacterial organisms on it and removes small bits of debris remaining after the burned skin has been excised.

"The end result is that the patient's wounds are ready for skin grafting at an earlier time. If grafting has to be delayed for any reason, the biologic dressing serves as protection, so the wounds won't degenerate or become infected."

He says that human skin is the best dressing for most large burns. Its benefits exceed pig skin (the biologic dressing now most widely used) and is far superior to any artificial dressing or skin substitute that has been developed.

Human skin is extremely difficult to obtain, however.

"There is something inherently distasteful to many people about giving up the skin of a dead loved one," the surgeon acknowledged. "So our first task will be gaining public acceptance and support. We need an education program to explain that we are not defiling the dead, but trying to help the living."

Skin can be removed with meticulous care in the hospital or a funeral home and then frozen in liquid nitrogen. Preserved in this fashion, skin can be stored for up to six months before being used.

He explained that only a thin layer of skin is taken and only from the trunk and extremities—parts of the body that are not visible during viewings.

Dr. Salisbury said he hopes to initiate a donor card program so that people may pledge their skin to the skin bank, just as people now donate their eyes, kidneys and other organs. But he explained that not everyone can be a donor.

"We don't use the skin of anyone who has died of cancer or an infectious process. We certainly don't want to risk transmitting any diseases to someone who is already ill."

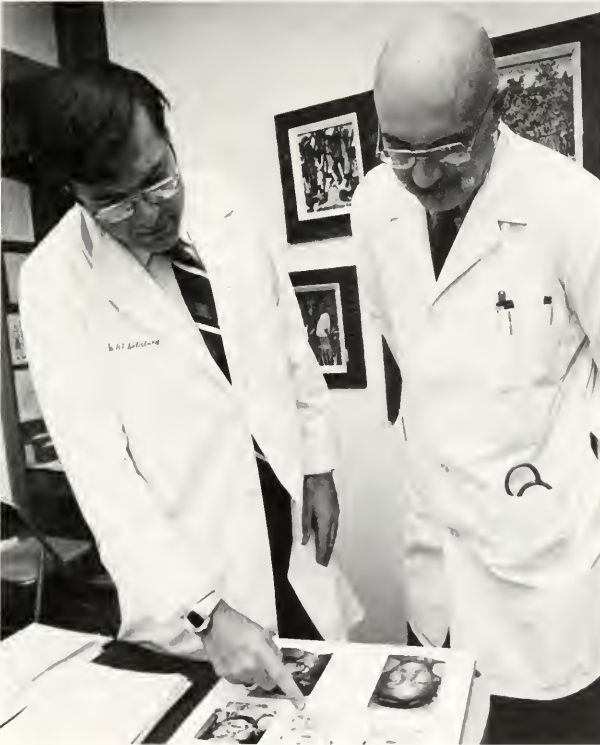
It is anticipated that most of the skin will come from donors in the Piedmont. But anyone in the state who is badly burned is likely to benefit, since the Burn Center will be capable of handling all of the state's most critical burn cases.

All of the skin donated to the skin bank will be used at the Burn Center.

"The reason is not a selfish one,



Physical therapy helps a burn patient move his hands (left) while below, Dr. Salisbury discusses burn patients with plastic surgeon Dr. William C. Trier.



but a logistical one," Dr. Salisbury explained. "We are going to have such a great need for skin ourselves that we will not be able to get into the banking business for other hospitals. We will have a difficult time just satisfying our own needs."

Human skin has proved to be a good dressing for other kinds of large, open wounds, in addition to burns. It can be used as a temporary dressing on people who have lost skin in accidents and on people with ulcers and other infectious skin problems.

The skin bank will also support the Burn Center's research efforts, Dr. Salisbury said.

"We will concentrate not only on our clinical mission—upgrading health care in North Carolina—but on doing research in the use of biologic dressings and the development of artificial skin.

"This happens to be a particular interest of mine, and I think that here at Memorial we have a chance to make a contribution on the national level in laboratory and clinical skin research."

Dr. Salisbury was named recently to the standards committee of the newly-formed American Association of Tissue Banks (AATB). The committee recommends guidelines for the operation of organ and tissue banks to make sure they adhere to accepted standards.

"In every medical specialty, there is an increased effort to maintain high standards and to make sure we have clear principles to guide us," he said. "This holds true for skin banking and the use of skin substitutes."

As a member of the AATS's standards committee, Dr. Salisbury will help determine which types of biologic dressings should be used on burn patients throughout the country.

Development of the skin bank is just one example of the progress being made toward establishment of the N. C. Jaycee Burn Center. The addition to Memorial Hospital that will house the Burn Center is

currently under construction. And although it will not be ready to open for another two years, the Burn Center's patient care and research teams already are being trained and put to work.

"It takes a while for people to begin functioning as a team, and this is one specialty in which you really need a team effort," said Dr. Salisbury. "We have been recruiting and training nurses and therapists—professionals who are particularly interested in patients with thermal injuries."

He and his colleagues also have established a burn research laboratory in which they are investigating specific aspects of burn injuries. And burn fellowships for students and physicians have been set up to help fulfill the Center's educational mission.

"At the student level, we have

established an elective to expose them to burns and trauma medicine," Dr. Salisbury said. "We hope this will encourage some students to consider a career in this specialty.

"In addition, each year we are seeking a young, well-trained surgeon to come for 12 months and learn how to take care of badly burned patients, how to conduct laboratory and clinical research and how to administrate. Hopefully, he will then go to a state that has no burn unit and develop one.

"Thus, we're trying to fulfill our obligations not only at the state level but at a national level."

A campaign is now under way to raise \$5 million for a permanent endowment fund to help support the Burn Center. Interest from the fund will be used to underwrite research projects, the operation of the Center and the training of specialists who

come to work and learn.

More than \$1 million has been raised for the endowment fund so far, much of it through contributions from individuals and small groups throughout the state. The North Carolina Jaycees, who conduct an annual jelly sale to raise money for the Center, have contributed more than \$300,000.

Dr. Salisbury said that he has been both gratified and encouraged by the amount of grassroots support shown for the Burn Center.

"It's like a giant love-in. It seems that everybody is involved—from kids in hobby clubs sending in donations to people having bake sales to the Jaycees.

"It has been delightful to see how the people of this state have mobilized behind a project that is so worthwhile." □

Center opening means more research, care

The opening of the North Carolina Jaycee Burn Center next year will be an event of regional, even national importance.

For though burn injuries are quite common, specialized facilities for treating serious burns are not. And centers for rehabilitating burn victims and conducting burn injury research are particularly rare. Relatively few major hospitals even have intensive care facilities designated as burn units.

The difference between a burn unit and a burn center is one of size and scope of operation.

Burn units are specialized facilities in which experienced physicians oversee a consistent program of burn management. Activity often consists entirely of the acute care of patients with thermal injuries. Hospital burn units may have as few as four or five beds.

Burn centers are larger and are staffed by teams of physicians, nurses and therapists who are specialists in burn care. By definition, burn centers also are involved in burn research and education—developing new



Progress on the patient support facility pictured here that will house the Burn Center is expected to be completed in about two years.

treatments and serving as training centers for thermal injury specialists.

Patients in burn centers are generally the most critically ill of all burn victims. They benefit from the latest and most innovative treatment methods because they are cared for by people who are on the front lines of burn injury research.

In many hospital burn units, systematic care stops when the patient is skin-grafted. But the goal of patient care at the N. C. Jaycee Burn Center will be complete rehabilitation, according to its director, Roger E. Salisbury.

"Too often, burned people who get out of the hospital are never able to go back to work. That is why we are going to stress

reconstructive surgery and rehabilitation to help them get back into society."

Surgeons will rebuild parts of the body deformed and disfigured by burns. And the Burn Center will combine the skills of physical and occupational therapists, social workers and psychologists to help rehabilitate patients physically and emotionally.

Extensive clinical and laboratory research efforts will seek not only more effective ways of treating burns, but ways of preventing serious burns.

In addition to serving as a training center for surgeons and others involved in burn care, the Burn Center will maintain an extensive

educational outreach program. By sharing information with personnel from other hospitals in the state, the Burn Center staff will help support emergency medical care programs already in existence.

With 23 patient beds, the N. C. Jaycee Burn Center will be able to accommodate a large percentage of the state's burn victims who require medical care and will serve as a back-up to other hospitals with burn care programs.

Dr. Salisbury said that since most serious burns happen during the winter, when faulty furnaces cause fires or someone stands too close to an open heat source, that is the time of year the Burn Center will be needed most. □

In the Southeast '77 grads choose primary care

A survey has shown that more than half of the members of the Class of 1977 prefer to continue their training in primary care specialties in the South Atlantic states.

An Area Health Education Center (AHEC) report shows that 63 percent of the 125 graduates chose to continue their training in specialties including internal medicine, family medicine and pediatrics. About 59 percent of medical students nationwide chose these areas in 1976.

In 1977, 32 percent of the UNC graduates chose to train in North Carolina. About 66% chose the South (including North Carolina).

Of the 113 graduates from the three North Carolina schools of medicine, 81 percent chose to practice in the three University-affiliated teaching hospital, usually where they attended school.

The trend for UNC graduates toward training in primary care in North Carolina has developed over the last 10 years, despite a decline in 1977 from 1976, said Thomas J. Bacon, AHEC evaluation director.

But he added that AHEC would

like for more UNC graduates to stay in North Carolina than are, "although we are attracting many graduates from out-of-state."

Physicians often choose to practice medicine near the area where they received their specialty training, Bacon explained. And those who attend medical school and train in the same area are more likely to practice nearby.

The focus on primary care will continue nationally and in North Carolina because of newly-created primary care residencies, Bacon said. The AHEC program has developed 300 primary care residencies in the state.

With 328 graduates from North Carolina medical schools in 1977, UNC had the greatest percentage of students who chose to train in internal medicine (36 percent, compared with 31.8 percent at Duke and 24 percent at Bowman-Gray).

A greater percentage of Duke graduates chose pediatrics (18.7 percent, compared with 11.2 percent at UNC and 8.3 percent at Bowman Gray) and surgery (17.8 percent, compared with 10.4 percent at UNC

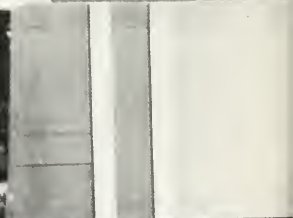
and 14.6 percent at Bowman-Gray).

Bowman-Gray led in family medicine with 21.9 percent, compared with 15.2 percent at UNC and 6.5 percent at Duke.

CHOICE OF RESIDENCY

Here's how the 1977 graduates compare with the national average determined by the National Intern and Resident Matching program:

	UNC	National
Family Medicine	15.2%	11.5%
Surgery	10.4%	14.6%
Ob-Gyn	6.4%	5.3%
Internal Medicine	36%	36.9%
Pediatrics	11.2%	10.9%
Flexible/rotating	4.8%	9.8%
others	16.0%	11.1%



Alumni Day preview



The Class of '28 is pictured in a photo taken for the UNC-CH Yackety Yack on the steps of Caldwell Hall, and again on the preceding page during its 25th class reunion. The class meets this year, for its 50th reunion.

"With few exceptions, the years in medical school are the most memorable of the long educational process involved in becoming a physician. . . ."

So wrote the late Dr. Oscar L. Sapp III, earlier this year to class agents for the 1978 Alumni Day weekend to be held April 7-8 in Chapel Hill.

The annual weekend is planned so that classmates can revive some of their own memories of school, through reunions and a slate of events.

Here's how this year's itinerary is shaping up:

*From the Centennial Series lectures, Dr. Robert T. Whitlock of Columbia University's College of Physicians and Surgeons will speak Friday afternoon on medicine.

Registration will be held for the Distinguished Service Awards Banquet and Social Hour that evening.

*The annual Alumni Luncheon will be held at noon Saturday, with the afternoon open for sports events and shopping. Alumni members may wish to arrange their own tournaments in golf or tennis. Reunion activities will be planned for the evening. Saturday morning plans are incomplete.

A photographer for the Medical Alumni Association will visit each class reunion Saturday for group photographs, which will be available to members for \$5.

*Ballots for officers and councillors to the MAA should have been received by this time. New officers will be installed alumni weekend.

*The clinical sciences building, first occupied in the fall of 1975, will be dedicated and named the Burnett-Womack building.

*Blocks of rooms have been reserved at the Carolina Inn, the University Motor Inn and the Holiday Inn in Chapel Hill. Class groups which wish to room at one place must call and confirm the space. Reservations are being held until March 20.

Classes for which reunions are planned include those from 1928, 1933, 1938, 1943, 1948, 1958, 1963, 1968 and 1973.

Said Robert R. Whitley, '68, class agent from Reidsville, former classmates "are scattered across the country to the West Coast, although many are in North Carolina."

Duncan S. Owen of Fayetteville said that 14 classmates came to his class' 25th reunion. This year, he

said he doesn't expect as many to return, but is planning to come. His class will have a table at the banquet.

"There are only 18 of us left," said Dr. Owen, who plans to bring along old photographs from previous reunions, including one taken on the steps of Caldwell Hall, where the medical school was located when his class graduated in 1928.

Loyalty Fund passes total for 1976

Contributions to the School of Medicine's Loyalty Fund and Centennial Club exceeded \$51,000 by deadline January 19, far outdistancing the approximate \$28,000 received one year ago.

Of the 687 contributors, 372 are members of the Centennial Club, alumni who have donated at least \$100. Centennial Club members pledge \$100 a year for two years between 1977-79.

Contributors to these funds and members of the Co-Founders club will be announced in the next issue of the Medical Alumni Bulletin.

Faculty activities and publications



Dr. Christopher C. Fordham III

CHRISTOPHER C. FORDHAM, III, MD, dean of the School of Medicine, presided over the 44th N.C. Regional Meeting of the American College of Physicians and the 12th Joint Meeting with the N.C. Society of Internal Medicine held Dec. 3 in Berryhill Hall. Presenting papers were: THOMAS SATTLER, MD, resident, "Balkan Nephropathy—A Unique Renal Tubular Disorder"; JAMES W. WOODS JR., MD, FACP, professor, "Hypertension—1977"; WILLIAM B. BLYTHE, MD, professor, "Nephrology—1977"; WILLIAM D. HEIZER, MD, associate professor, "Clinical Nutrition" and DAVID A. ONTJES, MD, FACP, professor,

"Diagnosis of Pituitary Disorders". JOHN T. SESSIONS JR., MD, professor, also attended.

CHARLES S. NEWMARK, PhD, associate professor, department of psychiatry, has been appointed director of the clinical psychology training program.

JOHN EWING, MD, director of the Center for Alcohol Studies at UNC, made two presentations recently on the subject of alcohol abuse: "A Bio-Psycho-Social View of Drinking," to the Western Missouri District Branch of the American Psychiatric Association Oct. 14, and "Alcoholism: A Community Problem," at the First Annual Alcoholism Seminar and Workshop sponsored by the Mental Health Association of Cleveland County (Ohio) and the Cleveland County Ministerial Association Oct. 17-18. Dr. Ewing's address was followed by a seminar on alcoholism for health professionals in the area.

COLIN G. THOMAS, MD, chairman, department of surgery, presented "Approach to Nodular Goiter and Thyroid Cancer" at the Third Annual American Thyroid Association Workshop on the Thyroid Nov. 6-8 at Key Biscayne, Fla.

SEYMOUR L. HALLECK, MD, professor, psychiatry, attended a meeting in Chicago on Oct. 16-17 as a member of the President's Commission on Mental Health.



Dr. George Johnson

GEORGE JOHNSON JR., MD, professor and chief of general surgery (vascular, trauma, transplantation) has been elected to the Board of Governors of the American College of Surgeons, for a term ending at the 1980 Clinical Congress.

The Board serves as a direct communication link between chapters or surgical specialty societies and fellows, officers, regents and staff on the College.

Dr. Johnson has been active in the leadership of the American College of Surgeons for several years, serving as president of the North Carolina chapter in 1975. He was chairman of the College's North Carolina Committee on Trauma from 1972-

1977 and was named to the national executive committee earlier this year.

FRANK C. WILSON, MD, professor of surgery and chief, division of orthopaedics, was elected to a two-year term on the Administrative Board of the Council of Academic Societies (CAS) at the annual meeting of the American Association of Medical Colleges (AAMC) in Washington, D.C.

CAS is composed of 120 representatives from 60 medical specialty societies and is directed by a 12-member Administrative Board. It serves as a forum between the AAMC and faculties of schools of medicine for the advancement of medical education.

HARRIE R. CHAMBERLIN, MD, director; **CALVIN KNOBELOCH, PhD**, associate director; **J. ROBERT GRAY**, assistant director for administration, and **CAROLE A. PARR**, physical therapy section head.

Dr. Knobloch is a member of the board of directors and all four serve on committees of the association.

GORDON B. BURNETT, MD, associate professor, psychiatry, and director, psycho-pharmacology clinic; **ART PRANGE, JR., MD** and **I. C. WILSON, MD**, psychiatry, presented a paper, "Adverse Effects of Anticholinergic Antiparkinsonian Drugs in Tardive Dyskinesia," at the Sixth World Congress of Psychiatry, Aug. 31 in Honolulu.

TROY ALBERT REAVES, JR., PhD, research associate, neurology, has received a \$5,000 grant-in-aid for 1977-78 from the North Carolina Heart Association for his project, "Thermal and Cardiovascular Modulation of Neuroendocrine Cell Firing Patterns."

Dr. Reaves also has been awarded a Public Health Service research fellowship from the National Institute of Neurological and Communicative Disorders and Stroke, enabling him to pursue his research project, "Vasopressinergic Neurons and Thermoregulation."

Four faculty and staff members of the Division for Disorders of Development and Learning attended a meeting of the Association of University Affiliated Programs for the Developmentally Disabled in Boston, Oct. 30-Nov. 1.



Dr. Elaine Hilberman

ELAINE HILBERMAN, MD, assistant professor, psychiatry, presented a report on Women and Mental Health Jan. 16 to Rosalynn Carter at a conference sponsored by the President's Commission on Mental Health in Washington, D.C.

GORDON F. MURRAY, MD, associate professor, division of cardiothoracic surgery, presented a paper titled "Parallel Gastric Bypass of the Thoracic Esophagus" at a meeting of the N. C. Surgical Association in White Sulphur Springs, W.Va., Sept. 23. Dr. Murray recently received the Southern Thoracic Surgical Association President's Award for the best scientific paper for his article "The Assessment of Operability of Esophageal Carcinoma," co-authored by **BENSON R. WILCOX, MD** and **PETER J. K. STAREK, MD**, and published in *The Annals of Thoracic Surgery*, May, 1977.

ENID R. KAUFER, MD (Sydney), FRACP, FFARCS, associate professor, departments of anesthesiology and physiology, was a visiting professor to the department of anesthesiology at the Mayo Clinic, Rochester, Minn., Sept 19-23. Dr. Kafer discussed current research in respiratory physiology and medicine and set up a collaborative research program.

WILLIAM H. BOWERS, MD, **H. ROBERT BRASHEAR, MD** and **LAWRENCE C. HURST, MD**, division of orthopaedic surgery, attended a meeting of the North Carolina Orthopaedic Association at Wrightsville Beach, Oct. 27-29. Bowers presented "Chronic Mallet Finger—Central Slip Release"; Brashear spoke on "Fracture-Dislocations of the Hip"; and

Bowers and Hurst presented "Gamekeeper's Thumb Injuries" which won a \$250 award for the best presentation.

WILLIAM W. McLENDON, MD, professor of pathology and chairman, department of hospital laboratories, spoke at the seminar on Graduate Medical Education in Pathology held in conjunction with the annual meeting of the American Society of Clinical Pathologists, Oct. 22.

Nutritional Support for Medical Practice, published by Harper & Row; edited by **HOWARD A. SCHNEIDER, PhD**, professor, department of biochemistry and nutrition and director of the UNC institute of nutrition, and **CARL E. ANDERSON, PhD**, professor of biochemistry and nutrition. UNC authors include **ROBERT A. BRIGGAMAN, MD**, professor of dermatology; **ROBERT G. CROUNSE, MD**, chairman, professor and associate dean, department of medical allied health professions; **MORRIS A. LIPTON, PhD, MD**, Sarah Graham Kenan professor of psychiatry and director of biological sciences research center, and **M. MILLS**.

Five members of the department of bacteriology and immunology participated in a Conference on Mechanisms of Microbial Virulence sponsored by the American Society for Microbiology at Clearwater Beach, Fla., Dec. 1-4. **JOEL B. BASEMAN, PhD**, assistant professor, and **JOHN H. SCHWAB, PhD**, professor, presented a paper to the session on "Extra-cellular Parasites," which was chaired by Dr. Baseman. **GEORGE P. MANIRE, PhD**, Kenan professor and chairman, presented a paper co-authored by **PRISCILLA B. WYRICK, PhD**, assistant professor, to the "Obligate Intracellular Parasites" session. **JOHN K. SPITZNAGEL, MD**, professor, presented a paper to the "Phagocyte-Parasite Interactions" session.

LAWRENCE R. McCARTHY, PhD, assistant professor, bacteriology and immunology and pathology, has been appointed to the American Academy of Microbiology's Committee on Post-Doctoral Educational Programs.

Minting of coin is commissioned

The minting of a silver coin has been commissioned as part of the School of Medicine's observance of its 100th anniversary.

The Medical Alumni Association is sponsoring the project in cooperation with the centennial committee of the medical school, said William W. McLendon, '56, chairman of the centennial committee.

The coin, which will be struck in .999 fine silver, is expected to be available for sale to alumni, faculty and collectors by early March. Proceeds from the sale of the coins, which will be sold at \$30 each, will go to endow a Centennial Scholarship Fund for medical students, McLendon said.

Public Affairs Director John W. Stokes, coordinator of the project for the committee, noted that the use of a silver coin in the commemoration of the centennial "is not only an appropriate way to recognize this landmark event in the life of the school, but a good investment as well.

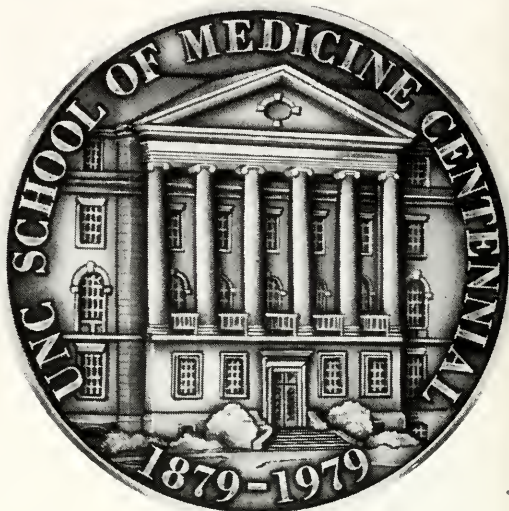
The price of silver doesn't go down. These coins will prove to be a good investment, as well as a keepsake."

Stokes urged interested individuals to place their orders as soon as possible. "This will be a limited edition. It will be offered to alumni and faculty first."

The coin is somewhat larger than a U.S. half dollar. The face-side bears a likeness of the medical school's MacNider Building and the legend "UNC School of Medicine Centennial, 1879-1979." The reverse of the coin shows the seal of the University of North Carolina.

Discounts for quantity orders will be offered, Stokes said. Buyers can save by purchasing two coins for \$55. The coins may be purchased in multiples of four for \$25 each.

Orders may be placed by writing or calling the Medical Alumni Association Office. Checks should be made payable to the Medical Alumni Association.



HERITAGE

. . . is something substantial. It's an important part of a medical school's strength. It gives a feeling of confidence and a sense of vision for students and alumni, as well as for the faculty and others who guide its daily work.

A SPECIAL SILVER COIN

. . . has been commissioned to help recognize the heritage of the School of Medicine of the University of North Carolina at Chapel Hill during the celebration of the School's 100th anniversary. The coin too, will be substantial. It will be a tangible, valuable memento of this important occasion. There will only be a limited number minted, and they are to be offered first to alumni and faculty.

RESERVE YOURS NOW

While the Alumni Association can't predict the value of these .999 fine silver coins by the time the School celebrates its Bicentennial, buyers can be assured that for today's wise investor, the cost is reasonable and the coin itself will be a handsome and fitting remembrance of the Centennial. Use the accompanying coupon to order yours at \$30 each, two for \$55 or \$25 each in lots of four.

Your check, made payable to the Medical Alumni Association, will be tax deductible, since proceeds from sale of the coin will support the Alumni Centennial Scholarship fund.

Centennial coins



actual size

Return To:

Centennial Coins

Medical Alumni Association

236 MacNider Building, 202H

University of North Carolina at Chapel Hill

Chapel Hill, North Carolina 27514

Yes, I wish to purchase limited edition

Centennial Coin[s] as a special memento of the 100th anniversary of the School of Medicine of the University of North Carolina at Chapel Hill.

My check is enclosed and my order is as follows [Check one]:

- Please send me a single coin (\$30)
- I'll have two (\$55)
- Please send four coins at \$25 each (\$100)
- Other (specify order)

Name _____

Address _____

City _____

Class _____

Deaths . . .

Burton S. Munro, '28, Gardiner, Me.
James O. Dunlap Sr., '27, Rock Hill, S.C.
Cola Castelloe, '15, Windsor
William G. Smith, '25, Thomasville

Class Notes

1916

CLIFTON F. WEST, '16, says that he believes he is the only one left in his class still working. He practices medicine in Kinston, and belongs to numerous medical groups.

1917

W. HORSLEY GANTT, '17, is professor emeritus of psychiatry at Johns Hopkins Medical School and adjunct professor of behavioral science at the University of Louisville, where he also conducts research. During 1977, Dr. Gantt also lectured at various universities and attended two international conferences. He traveled through Europe with his 16-year-old granddaughter and is presently writing up his past 40 years of research performed mainly at the Pavlovian Laboratory of the Johns Hopkins School. He's also writing an autobiography titled "So Runs my Dream." His 85th birthday was on October 24 and he delivered the dean's lecture at Johns Hopkins Medical School on November 28.

1920's

JACKSON K. HOLLOWAY, '20, of Seattle, retired from general surgery in 1964.

JOHN W. ORMAND, '24, of Monroe, who recently received his 50-year pin from the North Carolina Medical Society, has retired. M. PAUL BYERLY, '25, of Baltimore, retired in 1969. Since then he has maintained his home in Baltimore, but bought a cabin near Cashiers, N.C., where he spends the summer. Dr. Byerly says he plans to spend some time in each of his home states.

J. DONALD MACRAY, '25, of Dunedin, Fla., retired December 1973 and now lives in Florida "in a very pleasant retirement place along with

my wife Alice and a great many contemporary people."

WILLIAM S. JUSTICE, '24, of Asheville, says that he recently checked the list of people with whom he attended high school in Alexandria, Va., to find that nearly 80 percent of his classmates had died. He says "Though I am completely retired I'm still active enough to keep myself amused. I hope that I have done more good than harm in the practice of medicine and I have consolation in the memory that I have never gouged any of my patients."

M. D. BONNER, '20, of Greensboro, says that he was joined with several of his classmates after receiving his certificate at the School of Medicine when he went to the University of Maryland where he graduated in 1930. He writes, "We are all proud of our medical school," and says that several of its best graduates are now physicians in Greensboro.

1930's

EDWIN A. RASBERRY JR., '39, is class chairman of the annual giving campaign. He is in his second year teaching at Wilson Memorial Hospital in Wilson, and is a physician with the Wilson Clinic, which has several other graduates from the School of Medicine.

WILLIAM B. PATTERSON, '34, of Wailuku, Hawaii, wrote recently, "I finally semi-retired at age 65. I limit my work to office practice to two or three hours daily. After delivering babies for 41 years, it's time to stop. I'm still associated with Maui Medical Group and will continue part-time office practice for about 18 more months. I find that I do not have enough time to do the things I want and am still looking forward to complete retirement."

JUNE U. GUNTER, '34, of Durham, retired after 35 years in the practice of pathology, mostly at Watts Hospital in Durham. She now publishes

Tonight's Asteroids, a free bi-monthly newsletter dealing with minor planets that is distributed to more than 400 amateur astronomers around the globe. The publication, now in its seventh year, features sky charts and interesting notes about brighter asteroids observable with binoculars and small telescopes.

SHERMAN W. BAREFOOT, '36, of Greensboro, says that his son Sherman Jr. completed his residency in surgery at N.C. Memorial Hospital in July and is in private practice in Lexington, Ky.

1940's

J. EDWARD MCKINNEY, '46, writes that his oldest daughter, Libby, graduated in 1975 from the School of Nursing and is working at Charlotte Memorial Hospital. His other two daughters are at the University of Tennessee. McKinney is in general practice in Chattanooga.

CARLTON G. WATKINS, '41, is physician-director of the Mecklenburg Center for Human Development. He calls the center "the hub of mental retardation services and the main developmental disability diagnostic center of the county." Watkins has been listed in *Who's Who in America* since 1968. He served on the Charlotte-Mecklenburg School Board for eight years. Watkins now has five grandchildren, "the latest one almost a year old."

MATTHEW A. STROUP JR., '41, of Gastonia, says that his two children have graduated from college. He says he works every day and is fighting socialized medicine "every way I can, for it will ruin the best medical care for people in the world plus bankrupt the U.S.A."

ROBERT E. SUMNER, '42, of Rockhill, S.C., has three children, all married, and now two grandchildren. He practices internal medicine in Rockhill with three partners.

ROWENA SIDBURY HAW, '41, of Bethesda, Md., says that after 20 years in the private practice of pediatrics in Wilmington she is now with the county health department in Bethesda, still in pediatrics.

MARIO M. STONE, HS '41, of Miami Beach, Fla., was elected first president of the Cuban Orthopaedics Society in Exile.

HUGH DORTCH JR., '43, of West Palm Beach, Fla., is chief medical examiner of Palm Beach County.

1950's

A. M. DIGGS, '52, was in general practice for five years. In 1960 he became certified in radiology and is now in that practice in Waterbury, Watertown and Middlebury, Conn. Diggs is married and has three children.

OTIS N. FISHER, '59, is chief of radiology at Moses H. Cone Hospital. He is president of the Greensboro Academy of Medicine and of the N.C. Chapter of the American College of Radiology.

EDWARD E. LOW, HS '59, works full-time as a psychiatrist in the Riverside Mental Health (Outpatient) Clinic. "I am enjoying living in California," he said.

ROBERT B. RAGLAND, HS '59, was married in October '75. He says, "I am now recording personal data leading up to and following the event for possible use in connection with a graduate course in creative writing at the University of Florida."

DAVID L. KELLY JR., '59, of Winston-Salem, is president-elect of the Congress of Neurological Surgeons.

CHARLES B. FULGHUM, '54, of Atlanta, remarried and now works with deaf psychotic patients in sign language. He is active on the hospital adolescent service and is an assistant minister of the Episcopal Parish Church.

JAMES H. BURRUS, '57, of Shelby, notes that his son, Allen



Burrus, recently signed to play football with UNC. Son Chip is a senior at Wake Forest University and Erik is a sophomore at Shelby High School. **JULIAN S. ALBERGOTTI**, '55, is the medical director of Southern Bell's national center in Charlotte.

ROY J. BLACKLEY, '51, Raleigh, was recently named to the Board of Directors of the Southeastern Conference of Alcohol and Drug Abuse which represents eight Southern states. He writes that he occasionally hears from classmates and is looking forward to the next reunion. Dr. Blackley is enjoying quail hunting and golf.

RONALD C. DECONTI, HS '59, of New Haven, Conn., is director of oncology at the Springfield Hospital Medical Center in Springfield, Mass. **ROBERT H. HUX**, HS '55-56, of Leesburg, Fla., has practiced surgery there for the past 15 years after leaving the Navy. He was the past chief of staff at Leesburg General Hospital and past president of the county medical society and is active in several other medical groups.

CHARLES L. HERRING, '55, of Kinston, practices internal medicine there with Rupert W. Gilcot III.

Herring and his wife Shirley recently visited medical facilities in Oslo, Leningrad, Moscow and Austria during the past summer.

1960's

CHESTER W. TAYLOR JR., '63, writes, "Hawaii continues to produce more sun, surfing, lobstering, sailing and unbelievable sunsets than I can handle—come out and help!"

DAVE M. DAVIS, '63, is Director of Psychiatric Services at Peachtree-Parkwood Mental Health Center and Hospitals, a private, comprehensive community mental health center in Atlanta. He recently finished a term as president of the Georgia Psychiatric Association and is chairman of Mental Health Committee of Medical Association of Atlanta. Davis returned in September from a safari in East Africa and is planning a trip to South America with son Breton for some time in 1978.

JAMES CURTIS ABELL, '66, is enjoying his fifth year of practice in Statesville and is now looking for a partner to expand his practice.

Class Notes

RAY M. ANTLEY, '66, is chairman of the medical advisory board of the March of Dimes. Antley, of Indianapolis, has also worked with other public service organizations. In June and October he spoke on international childbirth education and genetic counseling and the law. He is a member of the Cystic Fibrosis Medical Advisory Board and the American Journal of Medical Genetics Editorial Boards. Antley has written papers on genetic counseling, sex reassignment and prenatal diagnosis.

Stacy Blount, the daughter of JOHN G. BLOUNT, '60, of Washington, is a freshman at the University of North Carolina at Chapel Hill and represents the sixth consecutive generation of the Blount family to attend school here.

LEONARD I. KOCH, HS '60, is an associate clinical professor of plastic surgery at the Texas Tech University School of Medicine. A. JOHN BAMBARA, HS '63, retired in January '77 and is now "taking it easy". Bambara, of New Jersey, says that he might still be working if it was not for "excessive government interference" in the medical profession. He had been the medical director of a community mental health center.

JAMES M. RHYNE, '68, has been in private practice in general internal medicine since 1974. The Rhynes, of Statesville, have three children. They recently purchased a farm and are raising cattle. Rhyme says he would like to see classmates anytime.

RICHARD B. McADAM, '67, practices neurosurgery in Newport News-Hampton, Va. The McAdams recently had a baby boy, Richard Brookshire.

DAVID B. MARCOTTE, HS '63, Minneapolis, is with the department of psychiatry at the Medical College of Wisconsin.

GRADY H. HENDRICKS, HS '64-65, and a former fellow in cardiology at N.C. Memorial Hospital, is in Charleston, S.C., where he is associate professor of medicine and director of the adult cardiac catheterization laboratory at the Medical University of South Carolina.

A. L. ROPER II, '67, of Norfolk, Va., attended the university games in Bulgaria as physician to the Danish Women's Basketball Team. He says to look for our "new daughter" Inge Nissen, from Denmark, to make the women's All-American basketball team this year at Old Dominion University.

WARREN D. CARTER, HS '60-63, of Durham, says he retired after 14 years from the staff of John Umstead Hospital in Butner where he was assistant director. Since retirement, June 30, 1976 he has been employed part-time as a staff psychiatrist at the North Carolina Alcoholic Rehabilitation Center in Butner.

MARY D. RESTIFO, HS '67-70, Washington, D.C., is in private practice in internal medicine and cardiology. CHARLES M. EARLEY, HS '66-67 of Virginia Beach, Va., says that for the past six years he and his two associates have participated in a senior student elective in surgery.

RICHARD W. HONSINGER, HS '65, of Los Alamos, N.M., has been re-elected chief of staff of the Los Alamos Medical Center and received a fellowship in the American College of Chest Physicians in November.

CONRAD L. ANDRINGA, HS '63-64, of Madison, Wis., was appointed in 1977 to the AAP National Committee on School Health and writes articles monthly on sports medicine.

SHERIDAN T. GIBLER, HS '66-70, of Fort Worth, Texas, is now in private practice in adult cardiology following a cardiology fellowship at the University of Alabama at Birmingham.

RICHARD M. ADERHOLD, '65, of Winston-Salem, began research in January at the Center of Alcohol Studies in Chapel Hill. He says he's looking forward to being back in Chapel Hill for a year, but that his wife, Katy, and children will probably finish the school year in Winston-Salem.

WILLIAM H. WHITE JR., '61, of Sanford, was recently elected president of the Robert A. Ross Ob-Gyn Society. DAVID T. WATSON, '62, of Atlanta, practices internal medicine at the Piedmont Hospital there. He is married with three children and is one of the team physicians for the Atlanta Braves. Watson says he is involved with various medical and civic organizations.

WAYNE B. VENTERS, '64, of Jacksonville, says he is looking for an associate to his orthopaedic practice. He has been appointed adviser to the AAMA for North Carolina. He has been recently elected as recording secretary for the North Carolina Orthopaedic Association and is active in other medical groups. He writes "at this moment I am duck hunting. So I continue to enjoy myself."

W. FERRELL SHUFORD JR., '61,

of Wilmington, has been elected to a fellowship to the American College of Physicians. CHARLES J. SAWYER III, '63, of Ahoskie, practices family medicine with a group of three physicians. His daughter, Kathy, 18, is a student at St. Mary's College, son Jud, 14, is at Ridgcroft School. Sawyer spends all his free time at his condominium in Nags Head.

JOHN L. POWELL, '68, of Decatur, Ga., will complete his second year of gynecologic oncology fellowship this spring at the Foundation for Gynecologic Oncology in the Crawford W. Long Memorial Hospital in Atlanta.

WILLIAM F. PEERSON, '60, of Winston-Salem, is beginning his 13th year as director of psychiatric training at the Bowman Gray School of Medicine of Wake Forest University. "The student body has doubled there," he says, "and residents in psychiatric training increased 15-fold since I started here."

CHARLES M. HICKS, '62, of Wilmington, practices pediatrics with two partners and will be president of the New Hanover-Brunswick-Pender Medical Society this year. He's also vice-counselor of the N.C. Medical Society District III and says he's interested in promoting closer ties between pediatrics at UNC-CH and in Wilmington.

W. FRANKLIN HANCOCK JR., '68, Siler city, is the pathologist at Chatham Hospital, 35 miles from Chapel Hill. Many laboratories are now in progress at Chatham Hospital, he says, the newest of which has the capability of preparing and using frozen blood. Hancock said that he and his family will move to Siler City in March from McLendon in Moore County.

J. THOMAS FOX JR., '60, of Charlotte, let us know about his associates and former classmates. ROBERT PAYNE, '60, has been elected president of the medical staff of Charlotte Memorial Hospital for 1978; GRIGGS DIXON was elected vice president and will be president in 1979. JOHN FOUST has been selected as chairman of the Blue Cross/Blue Shield committee of the North Carolina Medical Society. This committee serves as a liaison between the medical society and Blue Cross/Blue Shield of North Carolina.

M. WAYNE FLYE, '67, of Bethesda, Md., recently completed his boards in thoracic surgery and is a thoracic surgical consultant. He was

recently elected a fellow in the American College of Cardiology. He also writes, "Phyllis and I have sons age 8 and 5 who are quite active and are artistically inclined." WILLIAM B. DEAL, '63, of Gainesville, Fla., has been acting dean of the University of Florida College of Medicine since April, 1977.

DUNCAN S. OWEN JR., '60, of Richmond, Va., is an associate professor of medicine and an administrator for clinical training division of immunology and connective tissue diseases and chairman of the muscular skeletal curriculum at the Medical College of Virginia. He was recently elected first vice president of the Richmond Academy of Medicine. He is completing his fourth year on the board of deacons of the First Presbyterian Church, where he has been chairman for the last two years and was elected ruling elder. He has three children, Duncan III, 10, Robert Burwell, 6, and Frances Gwyn, 4.

A. RAY NEWSOME, '61, of Winston-Salem, is married with two sons, aged 17 and 14. He practices internal medicine and cardiology with three associates.

B. R. JACK, '65, of Fort Worth, Texas, says he still has two more years before retirement in the Air Force and the beginning of a new year in private practice. Daughter Julie just married. Son Michael is a junior at UNC. Phyllis has begun to work toward a Ph.D. in education at Northern Texas University.

JOHN L. CURRIE, '67, of Chapel Hill, says he plans to leave an Ob-Gyn practice to begin a two-year fellowship in gynecologic oncology at Duke starting July, 1978. He will continue to live in Chapel Hill during the fellowship.

F. WALTON AVERY, '67, of Tarboro, became the director of labs for Edgecombe General Hospital and the Tarboro clinic in 1976.

1970's

DON V. LEWIS, '71, of Cooperstown, N.Y., writes that everyone is well. Geoff is in first grade and twins Alan and Philip are in nursery school. Lewis is busy on attending staff of M. I. Bassett Hospital and assists in administering the general function of medical clinics.

MICHAEL KNOWLES, '71, writes that wife Marilyn is finishing her master's in counseling and Joshua, 4½



Class Notes

and Rachel, 3, are "moving on!" The Knowles family will be returning to Chapel Hill in July, 1978, where Mike will do a pulmonary fellowship.

MICHAEL GAYNON, '72, will complete a 21-month retinal surgery fellowship at the Retina Foundation and Massachusetts Eye & Ear Infirmary December 31, 1978.

J. RONALD HUNT, '72, and wife Ena had their first child, Abigail Virginia Hunt, on Oct. 8, 1977. The family will be moving to Davidson after Ronald finishes his Army obligation in June, 1978.

STEPHEN B. BILLICK, '73, writes that he has just completed a trip around the world "just in time to turn my own personal world around." He purchased an 1812 red brick town house in Philadelphia and began his psychiatry residency at the University of Pennsylvania in July, 1977. Billick says he is headed in the direction of forensic psychiatry and expects to become involved in the social psychiatry movements. "I'm also enjoying teaching medical students again."

THOMAS R. DEMPSEY, '73, is at the University of Florida in the department of orthopaedic surgery. He is "working hard and playing tennis whenever possible" and encourages old friends to call if ever passing through town. Dempsey is married with one daughter, Merritt, age 19 months.

E. RUFFIN FRANKLIN JR., '73, recently completed a pediatric residency at Duke Medical Center and has joined the Tarboro Clinic along with classmates DAVE NEWTON and JOE WILLIAMSON. Franklin married Sandra Peter and they now have a son, Scott Ruffin. Franklin writes that "Scott plans to be a member of the class of 1998-Duke."

T. REED UNDERHILL, '70, of Portsmouth, Va., finished a urology residency in the Navy in 1976, and has been on the staff at the Naval Hospital for 1½ years. He will complete Part II of his Boards in February, 1978, and plans to join the New Bern Urology Clinic in July, 1978.

THOMAS A. ROBERTS JR., '70, practices gastroenterology at the Nalle Clinic in Charlotte. He and wife Joanna have three children, ages 2, 4 and 6.

CHARLES E. CRUMLEY, '70, is an internist in Lincoln. He is chief-of-staff of Gordon Crowell Memorial Hospital and medical administrator of

the Lincoln Nursing Home. He is the father of three children, Clint, 8, Todd, 7 and Sloan, 5½.

H. CLIFFORD BAGGETT, '70, began an otolaryngology practice in Raleigh in July, 1977. He and wife, Gayle, have two children, Ward, 5 and Kip, 8.

MARK G. JANIS, '70, completed his residency and a hematology and oncology fellowship at University Hospital in Boston. He was recently appointed assistant professor of medicine there in the division of medical oncology where he is floor director of the medical oncology ward. Janis said he would like to hear from Shubir Roy and Alex Kehayes.

MORTON A. MELTZER, HS '70, lives in Durham and serves as a consultant for the Wake County Mental Health System. He is contracting with Wake Medical Center for emergency care and is medico-legal consultant for the Tech Advisory Service to attorneys in Phoenix, Ariz.

JOHN L. RODGERS, HS '71-'73, from Vero Beach, Fla., practices pathology with three associates. He is also associate medical examiner for District 19, in Florida.

JAMES S. COXE III, '71, will complete an endocrine fellowship at Ohio State University in June and will join two other physicians in the practice of endocrinology in Raleigh.

ENSER W. COLE III, '71, is in group practice in internal medicine and oncology in Annapolis, Md. Cole also teaches part-time and is involved in clinical research at Johns Hopkins Oncology Center. He and wife Betsy now have three girls and "love Annapolis and living on the water."

MICHAEL J. FELDMAN, '71, has completed two years with the Public Health Service and is setting up a private practice of psychiatry and child psychiatry in Boone. He is also a consultant to the New River Mental Health Center and the N.C. Department of Corrections.

JOHN P. SURRATT, '71, will be opening a private practice of dermatology February in Clinton.

WILLIAM D. KASSENS, '71, said that after completing his internship and residency in medicine and fellowship in gastroenterology at Barnes Hospital, St. Louis, he returned to Wilmington to practice internal medicine and GI. Wife Katie has opened a practice of dermatology and daughter Alice just turned 3. Says Kassens, "It's good

to be back home."

JOSEPH H. GOODMAN, '71, has been appointed assistant professor of neurosurgery at the Ohio State University Hospitals.

JOHN R. PARTRIDGE, '72, of Richmond, Va., says that he and wife Debbie recently adopted a son, Mark.

JAMES W. WALSH, HS '72-'74, writes from New Haven, Conn., that he became board certified in diagnostic radiology and in July became an instructor in diagnostic radiology at Yale University School of Medicine.

ROBERT F. ROTH, HS '72-'73, writes that he is enjoying a multi-specialty group practice at the Lewis-Gale Clinic of Roanoke-Salem. The clinic is the oldest and largest in Virginia, with 51 physician members. Roth and Dr. Warren Moorman have devised a plastic surgical innovation for treating sacrococcygeal pilonidal disease.

MARSHALL GOLDBERG, '73, writes from Chamblee, Ga., that he completed his residency in Ob-Gyn at the Medical College of Virginia and is now completing his second year at the Birth Defects Branch, Center for Disease Control in Atlanta. He plans to enter private practice in Ob-Gyn in Morristown, Tenn., in July.

E. DANIEL GRIFFIN JR., '73, said that after completing a residency in Ob-Gyn at Charlotte Memorial Hospital, he and a fellow resident have started a new practice there. He is also continuing with the residency program at Charlotte Memorial as a member of the attending staff.

DAVID R. PATTERSON, '73, will finish a GI fellowship in July at the University of Florida, and then begin private practice in gastroenterology in Greensboro with the LeBauer Clinic. He has three children.

ELISABETH A. KELLER, '73, writes that after completing a pediatric residency at Yale, she took nine months off and traveled in the U.S., Japan and Indonesia. In March, she began working in a small multi-specialty group in Boston.

ROBERT L. FRITZ, '73, writes that he and wife Marion will leave Hot Springs for Charlottesville, Va., early January. Fritz will begin a private practice there in family medicine, as well as a part-time teaching position at the University of Virginia. He will also serve as medical consultant to the University's athletic department. Says Fritz, "No children—but no time to raise children while taking care of our

two German shepherds."

FREDERICK F. BAHNSON III, '73, writes that he is ENT chief resident at the University of Virginia and plans to open up a practice in Bozeman, Mont., next summer. He and wife Julie have a son, Fred, 4, and are expecting another child soon.

D. BRYAN YOUNG, '74, writes from Homewood, Ala., that he will be returning to Chapel Hill in July, 1979, for a residency in cardiothoracic surgery.

ERNEST F. KRUG, '75, writes that after two years on the Children's Service of the Massachusetts General Hospital, he has gone to the Children's Hospital Medical Center for a senior residency in ambulatory medicine. Much of his work this year has been in pre-school behavior and development. In June, he will leave for Palo Alto, Calif., where he will do a fellowship in adolescent medicine with emphasis on behavior and development in the child.

FRANK H. MORETZ, '75, writes that in January he will be an attending physician at the Anesthesiology Resident Training Program at the Wilford Hall USAF Medical Center in San Antonio, Texas.

ALEX C. BOUTENEFF, '76, is a general practitioner in Andrews. In July, he will start an ENT residency at Johns Hopkins in Baltimore. **GRADY M. STONE, '76**, of Birmingham, Ala., said he and wife Marie had a new son, Jeremy Mitchell, on November 26. Jeremy was born at the University Hospital in Birmingham and weighed in at 12 pounds 4 ounces.

WILLIAM J. BLACKLEY, '76, is a family medicine resident at Duke and plans to set up practice in a small western North Carolina town in partnership with a fellow resident. Wife Sandie is working at the Frank Porter Graham School and daughter Nelly is 3½.

STEVEN B. LIPPMANN, HS '76, is assistant professor at the University of Louisville Medical School in Kentucky. He and his wife are expecting a baby in January. **ROBERT T. BUCHANAN, HS '76**, writes from St. Louis that he is completing his last year of plastic surgery residency. Son Bradley Taylor was born November 10, and weighed 10 pounds, 2 ounces. □



Notes from foreign lands

Medical careers come together at large institutions, such as the School of Medicine and N.C. Memorial Hospital, but after training, they often spread to all parts of the world.

The editors of the *Medical Alumni Bulletin* periodically request information of alumni and former house staff who live in this country, but decided for this issue to find out what is happening to physicians whose careers led them outside the United States.

Here are some excerpts from alumni who replied:

FRANK P. SMITH, '43, has lived in the Panama Canal Zone since 1950, most of that time as assistant chief of the medical service there.

In the beginning, he says, "My patients were old timers who had actually worked here during construction days. Americans and British West Indians were extremely proud of their accomplishments and needed little encouragement to talk about life in the early days.

"Incredible segregation was the order of the day and memories of this injustice still cause resentment. This has been almost entirely abolished and we now enjoy about as harmonious a mixed society as you are likely to find."

Hospital work has been rewarding, Dr. Smith says. He has spent most of his professional life in clinical work and bedside teaching. "Our patients come from U.S. government employees and their dependents, military personnel and their dependents and both seamen and passengers from the ships.

"Each ward usually has at least one foreign seaman," he says, and public health activities "have practically abolished tropical diseases."

The recent U.S. government administration's decision regarding the Panama Canal Treaty has disturbed him, however. Dr. Smith says many are "bewildered and hurt by the administration's plan to junk us as we are no longer needed for

national security or important to our economy."

He further opposes the treaty because he says it would cost the U.S. government billions and that "a vital waterway would be turned over to an unstable government." Also, he said Americans may lose their civil liberties.

Still, Dr. Smith says, "Living and working in the tropics has been most pleasant. My four children have grown up in a healthful atmosphere with exotic overtones, and I would choose the same life again."

Also familiar with tropical regions is JOSEPH A. COOK, special assistant to the Deputy Director of the National Institute of Allergy and Infectious Disease in Bethesda, Md.

A former member of Memorial Hospital's house staff, Dr. Cook returned to Chapel Hill in 1976 where he was a visiting professor of medicine and infectious diseases at the School of Medicine before taking his most recent position.

An internationally-recognized expert in tropical diseases, Dr. Cook spent six years on the Caribbean island of St. Lucia before his UNC sabbatical.

HANS J. ARNDT, '67, now lives in Toronto, Ontario, in Canada following an internship at Watts Hospital (Durham County General) in Durham, N.C.

Other post-graduate activities include a diploma in psychiatry from McGill University in 1972, where he completed a fellowship in psychiatry a year later, awarded by the Royal College of Physicians and Surgeons of Canada.

Dr. Arndt is a member of the staff of St. Michael's Hospital in Toronto, and an honorary lecturer at the University of Toronto. He is a member of several medical and psychiatric associations.

N. F. JONES, a former house staff physician with Memorial

Hospital, wrote that current obligations keep him from a detailed account of his activities, but that he hoped to contribute later. Dr. Jones is a consultant physician at St. Thomas's Hospital in London, England.

ALLAN W. DOWNIE of Aberdeen, Scotland, came to Chapel Hill in 1957 as a neurology instructor.

"The eight years in Chapel Hill form an important part of my life in every way," he says.

"Professionally, it allowed me to develop by giving me more responsibility consequent on a senior appointment. Two of my children were born there and my older children especially have strong attachment to many aspects of life in the sun of North Carolina."

Still, in 1965, he chose an opportunity to return to his native Scotland "as senior lecturer in my own medical school (Aberdeen University).

"Home ties, I suppose, are very strong," he says. "Anyway, I have no regrets."

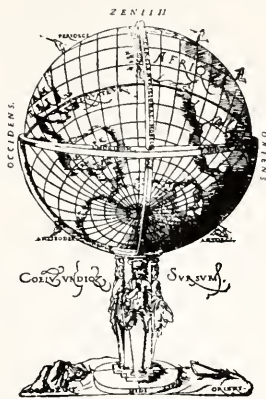
At Aberdeen, Dr. Downie is one of two neurologists to serve a population of more than a half million. The medical school takes in 130 students each year, so, he says there is little time for research.

"The National Health Service undoubtedly has problems which yearly seem to increase, but still the system basically seems to be a good one and few would like to see it abolished.

"Free access to medical attention removes several barriers to good medical care. In particular it removes any suspicion on the patient's part that the doctor is carrying out tests for any financial gain." And, he says, medical malpractice suits are still relatively rare.

"Physically, Aberdeen is an attractive center (if cold)." A seaport city of 180,000, it plays an important role in the offshore North Sea Oil industry.

Dr. Downie lives in a small village



13 miles from Aberdeen in a new home on the bank of a small "burn" which flows into the mouth of a tidal estuary. He says, "The cold North Sea is only about a half mile away across a golf course. We have herons fishing at the bottom of the garden and seals swimming in the estuary."

A return visit to Chapel Hill in 1974 was cut short by illness, "but with increasing strength and activity, another more successful attempt may be made later. Meanwhile, we are always pleased to see anyone from Chapel Hill and to hear of our old friends." □

Something personal

Black and white photographs from School of Medicine alumni and former house staff are welcome and would provide a personal touch to the *Bulletin*. We will accept photos of alumni on a variety of subjects, with their families, at work, vacation or involved in an interesting hobby, as well as recent formal shots that keep friends up-to-date.

Photos with addresses on the back will be returned.

About class notes—for the physician whose handwriting runs true to that famous stereotype, perhaps printing or typing would help. We were unable this issue to include all classnotes and only parts of others because they could not be read. The written hand is a personal touch, but clarity is nice, too. □

Calendar

March

- 8-10 Physical Therapy Workshop, "An Interdisciplinary Approach to Respiratory Care," Carrington Hall
- 8-11 Internal Medicine 1978, 103 Berryhill Hall
- 9 **Centennial Lecture Series:** "When Medical Education was Beginning in Chapel Hill, 1877-79: Medical Education," 7:30 p.m., Room 103 Berryhill Hall
- 30-31 Second Annual Cancer Research Symposium Carolina Inn and Berryhill Hall

April

- 1 Medical Parents' Day 103 Berryhill Hall
- 7 **Centennial Lecture Series:** "When Medical Education was Beginning in Chapel Hill, 1877-79: Medicine," 2 p.m. in the Carolina Inn Ballroom
- 7-8 **Medical Alumni Association Annual Meeting** Carolina Inn
- 14-15 Fourth Annual Perinatology Postgraduate Course Berryhill Hall
- 21-22 Eleventh Annual Malignant Disease Symposium, "Gastrointestinal Malignancy - Update for Practicing Physicians," Berryhill Hall
- 26 **Centennial Lecture Series:** "When Medical Education was Beginning in Chapel Hill, 1877-79: Dentistry, Public Health, Pharmacy and Nursing," 7:30 p.m. in the School of Public Health Auditorium
- 28-May 1 Radiology Symposium, "Pediatric Radiology," Berryhill Hall

May

- 5 **Medical Alumni Association Social Hour—The Pinehurst** North Carolina Medical Society Annual Meeting
- 17-20 Physical Therapy Short Course in Pediatrics Berryhill Hall
- 19-20 Fourth Annual Arthritis Symposium, "Cellular Responses in Rheumatic Diseases," 103 Berryhill Hall
- 22-23 Department of Obstetrics and Gynecology-American College of Gynecology Infertility Symposium, "Advances in Reproductive Endocrinology and Infertility," Great Smokies Hilton, Asheville

Date & Loc. "Practical Dermatology for the Non-Dermatologist" to be Atlantic Beach announced

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Special double issue



Medical Alumni Bulletin

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ON THE COVER:

At 72, Dr. Rachel Davis is still adding a personal touch to medical care in Kinston. See the story on page 2.

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Behind the lines

The word *magazine* derives from a Persian word that means "storehouse". This issue of the *Bulletin* certainly comes close to living up to that definition, mainly because of a plethora of seasonal events and a compendium of medical school donors. Despite its bulk, however, we think you will find this combined Spring-Summer issue's content interesting—and perhaps of sufficient quantity to last until fall.

Going to press almost concurrently with this issue of the *Bulletin* is volume 1 of a two volume history and directory of the medical school. The history volume of the set was written by Drs. W. Reece Berryhill and William B. Blythe. Directory data, going back to the beginning of the school and extending through the class of 1978, was compiled by Betsy Parker of the alumni office, with help from Raleigh Mann and the public affairs staff. The publications are being pro-

duced under the auspices of the School of Medicine Centennial Committee and will be offered for sale to alumni later this year.

Sales of the fine silver medallion that is being struck to commemorate the school's 100th birthday are picking up, by the way. Since the coin is being minted in limited numbers, it would be wise to get an order in now if you're interested. There's an ad and order form elsewhere in this magazine.

Finally, your attention is directed to a little detail about this issue of the magazine that we hope will prove to be a change for the better: the right-hand margins of our type columns are now justified, where before they were rather ragged. That should make reading easier and will allow the editors a little more space for editorial use. □

—JWS

Living a lifetime of medicine

Long after normal working hours, Dr. Rachel D. Davis was visiting her hospital patients for a second time that day. Unlike her early morning visit, this was more of a social call. She took the hand of an elderly woman and asked how she was feeling. "Better," the woman whispered.

What is astonishing about Rachel Davis is that she can work more hours than most people (twice as many, by her count) and still give her patients the personal kind of attention that went out of style with house calls.

No wonder. At 72, she is approaching the age of a special group of her women patients, aged 80 and older, whose general good health is a source of her pride. To Davis, staying healthy means "keeping active." Says she: "I keep my gals young. I don't lose many of them."

At her practice in her native Kinston, where she has been a physician for more than 40 years, most of her patients are friends who have grown to know and trust her. Younger patients are mostly the offspring of the older ones. It's not just keeping up with new medical advances that keeps their confidence—and good health—Davis insists patients must have that relationship which few busy specialists have time for today.

Sometimes, that means giving old-fashioned advice. To one patient, a slight, elderly woman, she recently said, "If you'll eat more and drink more water, you will feel a lot better."

Davis is a small woman whose commanding posture makes her appear taller than she is. She wears distinguished-looking silk knits and dark stockings with seams. Not all, however, is old fashioned.

A physician and nutritionist, former state legislator, sociologist and inventor, she continues to explore new ideas.

Every few years, she'll close up shop to venture to a distant country where she conducts research that interests her. In 1974, for example, she wondered why the fertility levels of the Eskimo were dropping and with it rose the rates of female infertility. Her research provided the answer: American men working for the oil industry were popular with Eskimo women. The incidence of venereal disease dramatically rose and with it rose the rates of female infertility.

Her work has brought her many awards, including the School of Medicine's Distinguished Service Award in 1976. More recently, she was one of Salem College's first recipients of the Kudos Award, given

to outstanding alumni.

During the 1960s, she spent three terms in the N.C. House of Representatives where she sponsored the first abortion bill. It was a bit ahead of its time, she admits. The bill was soundly defeated.

Proud of her pioneering spirit, she says she was the first woman physician to practice in eastern North Carolina. She enjoys her self-reliance and says it comes from her family heritage. She says she is a descendant of Martin Luther.

As a physician, Davis has always been well received. On her first day at the office, two friends of the family came in for physical examinations. The next day, there were four; the next, eight. Never less after that. In fact, her practice is so full, Davis says she hasn't accepted a new patient in three years.

Still, she admits that, as a woman, she has always had to work twice as hard and be twice as good at what she does. She does not embrace the ideals of the women's movement, however. "I don't think there's a one of us that doesn't have some inconsistency," she says.

Davis never married. But, determined to have a family, she adopted a daughter, and now has five grandchildren, the portraits of whom hang

Read about research conducted at the division of reproductive endocrinology and fertility of the obstetrics-gynecology department on page 4.

in her office.

Medical complications leading to her own infertility aroused a special interest into its medical problems. Davis has contributed a significant amount of time and financial support to infertility research at the School of Medicine.

She has traveled to Europe where she helped to recruit a specialist to the division of reproductive endocrinology and fertility, and was recently honored by the department of obstetrics and gynecology for her work.

Once an Ob-Gyn specialist, Davis says heart problems forced her to give up delivering babies 14 years ago and now she has a more general practice.

She rises early in the morning and stops at the hospital to give medical instructions for her patients there, then goes to her office for the day. Her busy schedule keeps her from many routine chores, such as buying clothes, which her staff often does for her on special occasions.

After office hours, it's back to the hospital to check in on her patients again, or, as her daughter says, "to kiss them good-night."

But there's also a secret practice many townspeople know about but which few might admit. Says Davis: "I've got the largest psychiatric practice in town." Often, after dark, someone will wander into her office to seek advice. "People only want someone who will listen to them," she says.

According to her staff, Davis planned to retire 12 years ago, but when recently asked about retirement, she only laughed. When someone at a community gathering recently asked her if she wouldn't like having one day a week to be bored, she responded coolly: "I'm never bored."

Life to her is wonderful, and competition, she says, is the spice of life. She continues to look to tomorrow.

"What you live is what you are," she says, "but what you leave behind is what you became." □



Dr. Rachel D. Davis

There's new hope for infertile couples

For the thousands of American couples seeking treatment for infertility, there are many for whom no answer can be found. But a blood test to measure progesterone now being used by physicians at the School of Medicine has reduced that number by almost half.

Five years ago, a happily-married woman who wanted to limit her family to her two children could seek a then-novel procedure: She could have her fallopian tubes clipped, thus preventing the union of a sperm with an egg. But if she changed her mind and wanted more children, reversing such a sterilization wasn't considered possible. Until now.

These examples are two of many recent advances made in the treatment of infertility at the School of Medicine.

About one in eight couples encounters infertility. In the past, the answer to such a problem was often adoption, said Dr. Luther M. Talbert, professor of obstetrics and gynecology and chief of the division of reproductive endocrinology and fertility. But as more effective methods of birth control were developed and the availability of abortion increased, the number of adoptive children dramatically decreased.

The result, Talbert says, is that in-

fertility has become more of a medical problem. Consumer demand is causing the field of obstetrics and gynecology to catch up with the know-how of other areas of medicine.

Physicians here are involved with both sides of the population issue, from conducting research into male contraception and new abortion techniques to new ways to diagnose and treat couples who for some reason cannot have children.

At the division of reproductive endocrinology and fertility, seven physicians, each with a special area of expertise, combine with nurses, lab personnel and a biochemist to offer a multi-faceted approach to fertility treatment.

Besides male factors, infertility is caused by female problems of ovulation, tubal disease and abnormal cervical mucus, which can prevent the passage of sperm.

New surgical techniques and the use of precise methods to measure and control hormone abnormalities offer solutions to some problems that, in the past, could not be solved.

Measuring Progesterone

The appearance of the hormone progesterone in the second half of a woman's cycle indicates that the

uterine environment is suitable for pregnancy.

In the past, physicians tested for what they thought were appropriate levels of this hormone by checking basal body temperature, which rises with progesterone production, and by studying the changes the hormone makes in the endometrium, the lining of the uterus. By surgically removing a piece of the endometrium, physicians can tell whether progesterone is present.

While this somewhat painful procedure indicates the presence of progesterone, physicians have learned that just the appearance of the hormone is not enough. The development of radioimmunoassay has allowed physicians to precisely measure progesterone levels in the blood of women who are trying to achieve pregnancy.

Low progesterone levels indicate a poor ovulation cycle, explained Assistant Professor Dr. Ewa Radwanska, who initiated the blood test as part of the standard infertility workup here.

Data from the test can be used to guide drug and hormone therapy aimed at improving the cycle and the chain of events which make an environment right for pregnancy.

Surgery

Operating under a microscope with tiny surgical tools, doctors today can stitch severed fallopian tubes that once were cut or clipped.

While the success rate might be 50 percent in cases where the tubes have not been cauterized, Assistant Professor Dr. Gary S. Berger, who performs such surgery, cautions that women who are thinking of sterilization still should consider it a permanent procedure.

Berger, who studied microsurgery techniques in Europe also uses the relatively new method on types of tubal disease which up until now have meant permanent infertility.

Microsurgery can offer the best chance of restoring fertility in cases where more traditional surgery fails, Berger said.

But some couples are treated for infertility with more widely practiced surgical procedures.

Professor Dr. Jaroslav F. Hulka noted that by using magnifying loupes, physicians can break away adhesions that are often the result of infection, and restore fertility in some patients.

Hulka is also director of the UNC donor insemination and sperm bank program, which serves North Carolina and neighboring states.

Donors are medical students who are genetically screened and coded for height, hair and eye color and race. Because of the genetic screening process, physicians here say that offspring resulting from this program are less likely to have birth defects than children conceived by the general population.

Donors are used when the man has no sperm or low quantities of sperm which make fertilization difficult.

Artificial insemination with the husband's sperm is another technique used when a woman's cervical mucus stops or kills the sperm at the entrance of the uterus.

Polycystic Ovary Syndrome

Women with excessive facial hair may have polycystic ovary disease. Ovarian follicles, stimulated by pituitary hormones to release an egg each month, instead form cystic follicles when that hormone stimulation is abnormal. The ovaries produce male hormones which cause the hair growth.

Birth control pills stop the forma-



Dr. Ewa Radwanska uses a scintillation counter to estimate progesterone (above) while below, research technician Lee Grubelich holds one of the rabbits used in infertility research.



tion of new hair, explained Assistant Professor Dr. Shailaja G. Raj, but electrolysis is needed to remove hair follicles which cause current growth.

A more serious effect of the disease is an increase in the risk of cancer. Because women with the disease do not ovulate and have no regular menstrual cycle, their systems have an abundance of estrogen, a hormone which stimulates growth. Without menstruation, estrogen levels are high and may eventually cause cell changes which in some women can lead to uterine malignancy.

Clomid, a synthetic, weak estrogen, is used to treat the disease in the patients who desire pregnancy. By simulating low levels of estrogen, the pituitary responds by producing more gonadotropins, causing the rupture of the ovarian follicle. In more difficult cases, additional gonadotropins are given to stimulate ovulation.

Research

Dr. Madhwa Raj, a biochemist, is testing the effects of anti-gonadotropins on male monkeys in an effort to produce a male contraceptive. The development of contraceptives for males has been hampered by a physiology which makes it difficult to inhibit the production of sperm without also affecting sexual potency.

Raj hopes to produce a vaccine which causes the animals to develop antibodies for a specific period of time that would inhibit sperm production.

He also studies the role of prolactin, the milk-producing hormone. Raj noted that evidence suggests prolactin may act adversely on ovaries by affecting estrogen and progesterone production in follicle cells.

In this and other research, he studies animals to learn more about the human reproductive system, and seeks answers to clinical problems through basic science. □

Dr. Madhwa Raj

Going through the system

Couple X has been trying unsuccessfully to have a child for the last five years. Now in their mid-thirties, they wonder if they ever will.

Through friends, they've heard about new advances in infertility research. But treatment for infertility means many visits. Besides, their problem is highly personal, and they know treatment means talking to strangers and taking more tests, many of which they've had before.

Discouraging?

Not necessarily. Unlike some medical problems, infertility has many causes, and each case requires a thorough investigation. For many couples, infertility has meant months, even years, of visits to the doctor. But with research-center resources and with the help of the patient's own physician, most couples here have a diagnosis within eight weeks.

It's a complex system that pa-

tients, for the most part, don't see.

Instead, they meet Pam Smith, chief nurse for the division of reproductive endocrinology and fertility, a part of the department of obstetrics and gynecology. It's Smith who takes the couples through the procedures, clinic visits and the waiting.

Despite a hostile attitude some patients have at the start, ("After all," Smith says, "they've usually been through a lot") she usually becomes a friend.

One reason may be Smith herself. Says she: "I don't pull any punches. None of us does.

"It's surprising, but once people have an answer, their minds are lifted. I get loads of calls asking, 'Do you do fertility counseling?' like it's a psychiatric thing, but I don't. What patients get is an answer to their problem. And if you can help with the outcome, it means a baby."

Even if the answer means the

couple will never have children, Smith says that's better than nothing. "At least they can accept that and go on with their lives."

Going through the system involves each partner. The first procedure requires a semen sample, which is tested in a research lab by analyst Carol Sloan. It's first because it's quick and doesn't require intense testing on the woman, and, because a healthy sample means that nearly half of the causes of infertility can be eliminated.

From there, the tests focus on the woman. After an examination by a resident, a patient will see a single attending physician throughout the workup, unless a diagnosis calls for the expertise of another physician, who becomes her doctor.

A post-coital test will tell if the environment of the mucus surrounding a woman's cervix is hostile to sperm. An X-ray can indicate tubal disease. Basal body temperature and a blood test will show if she's ovulating properly.

These results are usually enough to establish a diagnosis, and from there, treatment begins.

Smith does some tests and other procedures, including artificial insemination to correct certain forms of infertility. And she's often the one asked questions.

"We bombard people with so much information." She said they need someone available with whom they can talk.

Meanwhile, a couple's physician at home is kept up to date with the patient's progress. Sometimes, that means gaining an obstetrics patient.

In fact, while Smith couldn't estimate the rate of success here, she said the failure rate "seems like less all the time." □



Pam Smith, R.N., counsels a couple who are being treated for infertility about the procedures and tests they will undergo.



126 MacNider

The philanthropic support of alumni, friends and supporters across the state and nation has been of inestimable value in building the program and facilities of this academic medical center.

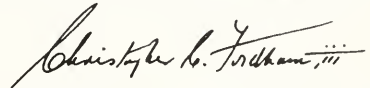
In addition to other sources of revenue which help operate the School of Medicine, individual contributions have enabled the faculty, staff and students to advance the institution in capability for scholarship and service far beyond what its basic resources alone could have made possible.

Slightly more than one third of the School's operating budget represents state-appropriated funds. A substantial portion comes from research, training grants and contracts achieved by the faculty through their scholarship efforts. In addition, a substantial portion comes from clinical income achieved by faculty physicians through patient care.

The funds contributed by the Co-Founders, many of whom are alumni, and through the Loyalty Fund by alumni and friends (and now the Centennial Club), together with special gifts generated from these groups truly have been pivotal in the past and will undoubtedly be vital in the future.

This support is present in many areas, including student aid, seed money for research projects, the provision of vital pieces of equipment not available from other sources, providing and modifying facilities where scientists can work, the recruitment of new faculty and many other vital functions.

Our mission is to advance the cause of mankind in North Carolina and throughout our country through medicine. This we can do so much better with your help which permits creativity and achievement for the benefit of future generations.



— Christopher C. Fordham III, M.D., dean

Philanthropy

For some months, the Medical Foundation and the Co-Founder's Club have been assisting the school by seeking to raise funds to construct a Cancer Research Center Building. The Cancer Research Program consists of many able scientists working on a variety of problems related to the causation and character of malignant diseases, and it has become increasingly vital to provide the special facilities envisioned in the new building.

The project was initially slated to cost \$6 million, but because of cost escalation, will probably cost approximately \$7.5 million. Funds have been requested from the state and federal governments to assist in the construction of this facility.

The Medical Foundation and the Co-Founder's Club have assisted in achieving major donations for the construction of the Center, now totalling in excess of \$2.6 million.

Although it takes more time than any of us would wish to bring such a project to fruition, it is my deep conviction that those who have made such commitments to this effort will in the long run be profoundly pleased with what can and will be done. We need to continue this effort with vigor and increase the private contributions to a level which would permit construction of most of the project, even if the public monies are not forthcoming. It is that vital to us and those we serve, and we welcome the support and assistance of all of the readers of the *Bulletin*.

—C.C.F.

The following individuals and firms have supported the Center for Cancer Research building fund drive with gifts up to \$1 million. The \$2,642,300 total also includes gifts made by several firms and individuals who wish to remain anonymous.

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The following listings salute individual benefactors of the School of Medicine of the University of North Carolina at Chapel Hill.

The honor roll of donors includes 373 members of the school's Co-Founders Club and 710 contributors to the Medical Alumni Association's 1977-78 Loyalty Fund.

The Co-Founders, a group formed in 1966, exists to support the medical school through gifts of unrestricted funds. These contributions, which totaled nearly \$110,000 for the year ending December 31, 1977, are used by the dean and his advisors wherever needed to advance the interests of the school. Members of the Co-Founders support vital projects through unrestricted annual gifts of at least \$1,000 each.

Contributions to the Loyalty Fund, which totaled \$52,818 through April 1, 1978, are used for alumni programs and communications, scholarships and special projects. A new group in the Loyalty Fund this year, called the Centennial Club, is made up of donors who gave at least \$100 and pledged to contribute at least \$100 next year. Nearly 400 became Centennial Club members this year.

Co-Founders are listed alphabetically under the following heading. The graduating class year of Co-Founders who are also alumni are shown after names.

The Loyalty Fund list shows donors alphabetically by classes, and non-alumni donors. Benefactors who are also Co-Founders are denoted by an asterisk. Names listed in boldface type are members of the Centennial Club.

The Co-Founders list recognizes individuals who made gifts through Dec. 31, 1977. The Loyalty Fund list recognizes donations made through April 1, 1978.

Every effort was made to assure that these lists are as accurate as possible, but if errors have occurred the editors sincerely apologize.



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The generosity of the following individuals provides the School of Medicine with fiscal flexibility to meet special or unforeseen needs and to carry on or enhance major projects.

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The generosity of the following individuals provides financial support for alumni programs and communications, for special needs of the Dean's office, for student aid and for general research support.

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Mack Simmons, St. Simons Island, Ga.
Samuel B. Willarde, Doylestown, Pa.

Class of 1940

Vernon L. Andrews, Mt. Gilead
*H. Haynes Baird, Charlotte
Phil L. Barringer, Monroe
C. W. Beaven, Newport News, Va.
A. B. Conger, Columbus, Ga.
John B. Graham, Chapel Hill
Henry C. Guynes, Garland, Texas
W. C. Hilderman, Charlotte
*Ameila B. Kahn, Franklin
*Joseph W. Kahn, Franklin
*Stephen H. Mazur, Goldsboro
David L. Pressley, Statesville
John Lester Ranson Jr., Charlotte
John H. E. Woltz, Charlotte
Samuel Wright, Ardmore, Pa.

Class of 1941

James W. McLean, Fayetteville
*Thomas P. Nash, Elizabeth City
E. C. Richardson Jr., New Bern
Clark Rodman, Washington
*Foyel P. Smith, Lexington
Frederick L. Tunick, Neponsit, L.I., N.Y.
Raymond M. Wheeler, Charlotte
*Ernest H. Yelton, Rutherfordton

Class of 1942

Jerry H. Allen, Springfield, Mo.
William O. Beavers, Greensboro
F. A. Blount, Winston-Salem
James Davis, Durham
*Hillard Gold, Miami Beach, Fla.
H. William Harris, Garden City, N.Y.
Louis D. Hayman Jr., Jacksonville
William E. Hoy Jr., Ashland, Ky.
*John F. Lynch, High Point
John Miller, Bartow, Fla.
Isaac F. Nesbitt, Newport News, Va.
George W. Plonk, Kings Mountain
Charles L. Putzel Jr., Selma, Ala.
Hugh Smith Jr., Naples, Fla.
*Isaac M. Taylor, Boston, Mass.
William Tenenblatt, Silver Springs, Md.
R. Bertram Williams Jr., Wilmington

Class of March 1943

Julian T. Brantley, Greensboro
*John R. Chambliss Jr., Rocky Mount
David S. Citron, Charlotte
James R. Collett, Morganton
James B. Greenwood, Charlotte
William F. Hutson, Northbrook, Ill.
George L. Jordan Jr., Houston, Texas
Robert M. Packer Jr., Waycross, Ga.
John H. Reed, Gainesville, Ga.
*David A. Rendleman Jr., Salisbury
Frank R. Reynolds, Wilmington
Albert Stewart Jr., Fayetteville
Kenneth W. Wilkings, Goldsboro

Class of December 1943

*Joseph W. Baggett, Fayetteville
*C. Fletcher Bailey, Elizabeth City
Hilda Bailey, Salisbury
T. V. Bennett, Kailua, Hawaii
Joseph R. Blair, Aberdeen Proving
Ground, Md.
Douglas H. Clark, Lumberton
*Robert G. Currin, Henderson
Joseph P. Demeri, Kew Gardens, N.Y.
Hugh Dorch Jr., West Palm Beach, Fla.
Robert W. Ewell, Ocean City, N.J.
Lloyd B. Harrison Jr., Wilmington, Del.
J. B. Henninger, Statesville
Ethel G. Lawner, Jersey City, N.J.
William H. Meroney, Portsmouth, R.I.
H. C. Newsome Jr., Pilot Mountain
Leon W. Robertson, Rocky Mount
James H. Shell Jr., Baltimore, Md.
J. Taylor Vernon, Morganton

Class of 1944

*Robert J. Andrews, Wilmington
J. Vincent Arey, Concord
*Earl E. Correll, Kannapolis
Harry D. Cox, Portsmouth, Va.
Walter L. Crouch, Wilmington
John W. Davis, Hickory
J. Stuart Gall, Charlotte
*James H. Hawkins, Graham
Allen H. Lee, Selma
*Carroll H. Lippard, Lynchburg, Va.
Isaak V. Manly, Raleigh
James H. Manly Jr., Raleigh
Charles A. S. Phillips, Pinehurst
William E. Rabil, Winston-Salem
*George A. Smedberg, Burlington
J. Mitchell Sorrow Jr., Chapel Hill
R. Spruill Spain, Raleigh
Margaret C. Swanton, Chapel Hill
Charles W. Tillett Jr., Charlotte
Edwin J. Wells Jr., Wilmington

Class of 1945

G. Walker Blair Jr., Burlington
*D. G. Bunn, Whiteville
*Thomas S. Cheek, Smithfield
George Robert Clutts, Greensboro
J. Hicks Corey, Chattanooga, Tenn.
Courtney D. Egerton, Raleigh
Grafton C. Fanney Jr., Euclid, Ohio
*Robert G. Fitzgerald, Roxboro
Harold L. Goodwin, Fayetteville
Ben M. Gold, Rocky Mount
Kirby Thompson Hart Jr., Petersburg, Va.
Richard E. Hooks, St. Pauls
*Hampton Hubbard, Clinton
Lewis E. Jones, Atlanta, Ga.
Weldon H. Jordan, Fayetteville
David Josephs, Baltimore, Md.
John J. Monroe, Winston-Salem
John R. Pender, Charlotte
James E. Ribet, Asheville
*Henry Lee Sloan Jr., Charlotte
Ferdinand Szabo, Berwick, Pa.
James S. White, Greensboro

Class of 1946

Jules Amer, Denver, Colo.
Walter C. Barnes, Texarkana, Texas
*Edward G. Bond, Enderton
Robert V. Dutton, Houston, Texas
*William W. Forrest, Greensboro
Mary A. V. Fox, Bethesda, Md.
Samuel H. Hay, Toccoa, Ga.
Luther W. Kelly Jr., Charlotte
Robert S. Lackey, Charlotte
J. Edward McKinney, Chattanooga, Tenn.
Morton E. Pizer, Raleigh
Franz W. Rosa, Washington, D.C.
William G. Sanford, Winston-Salem
Peter S. Scott, Burlington
William E. Sheely, Alexandria, Va.
*H. M. Stenhouse Jr., Baton Rouge, La.
*Arthur Summerlin Jr., Raleigh
*Edwin L. Webb, Montgomery, Ala.
*J. Edwin Weyher Jr., Goldsboro
Thomas E. Whitaker, Greenville, S.C.
*Dexter T. Witherington, Kinston

Class of 1947

Harry S. Anderson, Chattanooga, Tenn.
*Edward N. Bradford, Winter Rouge, Fla.
Thomas R. Newitt, Redondo Beach, Calif.
J. Lloyd Pate, Fairmont
W. Ernest Powell, Mars Hill
Robert K. Rosen, Bay Harbor Island, Fla.
C. Roy Rowe Jr., Statesville
Harry G. Walker, Statesville

Class of 1948

Verna Y. Barefoot, New Bern
William S. Cheek, Spartanburg, S.C.
Fred W. Ellis, Chapel Hill
Tyndall P. Harris, Chapel Hill
Edwin P. Hiatt, Wilmington, Ohio
*Henry Joseph Liverman, Englehard
John E. Lyday, Greensboro
Julius A. Mackie Jr., Philadelphia, Pa.
Eugene V. Maynard, Elm City
Richard E. Rankin, Mount Holly
Shirley L. Rivers, Tucson, Ariz.
Charles L. Saunders, Burlington
Emily Tufts, Portland, Ore.
T. English Walker, Charlotte
Daniel T. Young, Chapel Hill

Class of 1949

Hoke Bullard, Wilson
J. Dewey Dorsett, Charlotte
Christopher C. Fordham III, Chapel Hill
*F. S. Gardner Jr., Fayetteville
Charles Theodore Harris Jr., Charlotte
Martin T. Lewis, Beaufort
Richard Margolis, St. Louis, Mo.
Spinks H. Marsh, West Hartford, Conn.
Charles F. Melchor, Bloomington, Ill.
*Edward Nelson O'Quinn, Wilmington
*Robert A. Pascal, Valdese
*Rose Pully, Kinston
*Charles F. Scarborough Jr., Star
*Julian T. Sutton, Scotland Neck
J. S. Swift, Kennesaw, Ga.
Earl Trevathan, Greenville

Class of 1950

*Fredrick O. Bowman Jr., New York, N.Y.
*Lowell E. Brittain, Charlotte
*W. Grimes Byerly Jr., Hickory
Jack O. Carson, Grifton
Julian B. Coleman, Greenville
Elwood B. Coley, Lumberton
*John T. Dees, Burgaw
A. M. Diggs, Middlebury, Conn.
A. J. Ellington Jr., Burlington
C. F. Gilliam, Thomasville
Donald W. Glascock, Palmyra, Mo.
David E. Graham, Seymour Johnson
Buel K. Grow Jr., Belle Meade, N.J.
Gordon R. Heath, Lakeland, Fla.
*Vonnie Hicks Jr., Raleigh
Joel B. Huneycutt, Rock Hill, S.C.
George Johnson Jr., Chapel Hill
Benjamin H. Josephson, Short Hills, N.J.
William S. Joyner, Chapel Hill
John A. Kirkland, Wilson
*John Lewis McCain, Wilson
Agnes L. Milan, Morganton
Glenn D. Moak, Indianapolis, Ind.
William L. Moore, Greensboro
James F. Morris, Goldsboro
*James Peedin Jr., Burgaw
J. Olin Perrit Jr., Wilmington
John W. Sawyer, Greensboro
Eugene B. Sharpe, Asheville
John F. Trotter, Atlanta, Ga.
Lewis S. Thorp Jr., Rocky Mount
Belk C. Troutman, Grifton
George F. Tucker, Zebulon
Charles R. Vernon, Wilmington
John L. Watters, North Caldwell, N.J.
S. Kendall Willis Jr., Mt. Holly
Hadley M. Wilson, Boone

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Co-Founders Club
Boldface names denote membership in the
Centennial Club





Class of 1951

- L. L. Anthony, Gastonia
William B. Blythe, Chapel Hill
*O. B. Bonner Jr., Daytona Beach, Fla.
*Richard W. Borden, Morehead City
*Baxter H. Byerly, Tallahassee, Fla.
William A. Futch, Conyers, Ga.
*Lawrence Justice Hartley, Freeport, Texas
*Stanton Vance Huffman, Elon College
*Harold C. Lane, Rutherfordton
*Louis J. Norris Jr., Morehead City
*Vernon Watson Pugh Jr., Raleigh
*Corbett L. Quinn, Magnolia
James B. Raymer, Charlotte
Claude Alfred Smith, Winston-Salem
Richard I. Walker, Chapel Hill

Class of 1954

- Leland Stanley Averette Jr., High Point
*Albert J. Diab, Raleigh
*Malcolm Fleishman, Fayetteville
C. B. Fulghum, Atlanta, Ga.
*W. J. Grant III, Winston-Salem
J. Franklin Graves, Mt. Pleasant, S.C.
*Hugh C. Hemmings, Morgantown
H. P. Lineberger, Chapel Hill
James C. Parke Jr., Charlotte
Cornelius T. Partrick, Washington
Thomas H. Patterson, Farmville
Charles H. Powell, Mars Hill
George D. Presley, Tampa, Fla.
Clifton L. Quinn, Raleigh
John Henry Rickenbacker, Dillon, S.C.
*Joe Robinson, Stokesdale
*Allen Spencer, Salisbury
Durwood Tyndall, Goldsboro
Edward S. Williams, Durham
*Virgil A. Wilson, Winston-Salem

Class of 1955

- *Harvey Adams, Asheboro
Julian S. Abergotti Jr., Charlotte
Ralph E. Brooks Jr., High Point
E. Ted Chandler, Winston-Salem
George E. Cox, Lockwood, N.Y.
Griggs C. Dickson, Charlotte
*Walter E. Deyton, Danville, Va.
C. Council Dudley Jr., Elkin
*Charles F. Eddinger, Spencer
John W. Foust, Charlotte
*John W. Gainey Jr., Morehead City
*J. Eugene Glenn, Jacksonville, Fla.
*Fred W. Glover, Charlotte
*James D. Groseclose, Randleman
James W. Hayes III, Burlington
William D. Huffines, Chapel Hill
*Samuel G. Jenkins Jr., Elizabeth City
Robert C. Jordan Jr., Sanford
Samuel B. Joyner, Greensboro
A. Smith Lineberger, Fairfax, Va.
William L. London, Durham
Lloyd C. McCaskill, Maxton
J. Thaddeus Monroe Jr., Chapel Hill
*Stewart L. Mooring, Rutherfordton

***Frank C. Morrison Jr.**, Canton
 Harold R. Roberts, Chapel Hill
 Oliver F. Roddey Jr., Charlotte
 Palmer F. Shelburne, Greensboro
 Henry L. Stephenson, Washington
 ***Robert L. Summerlin Jr.**, Dublin
 G. Reginald Tucker Jr., Henderson
 William J. Waddell, Prospect, Ky.
 W. Wallace White, Cincinnati, Ohio
 William H. White Jr., Gainesville, Ga.

Class of 1956

John R. Baggett III, New Bern
 ***William Barry**, Fayetteville
 Richard Boyd, Statesville
 ***Thomas E. Castelleo**, Raleigh
 ***Lee Clark Jr.**, Wilson
 John W. Deyton, Jacksonville
 ***Margareta J. Duncan**, Dunn
 ***Stacy A. Duncan**, Dunn
 ***John T. Evans**, Chattanooga, Tenn.
 Charles W. Fowler III, Orlando, Fla.
 Francis W. Green, Albemarle
 ***William R. Harris**, Hickory
 John L. Hazlehurst III, Asheville
 ***Murry W. Holland**, Chapel Hill
 Dean Jones, Jefferson
 Henry N. Lee Jr., Lumberton
 Clyde F. Lloyd, Roanoke, Va.
 Otis M. Lowry, Spring Hope
 Marvin M. McCall III, Charlotte
 ***Jack P. McDaniel**, Fayetteville
 ***William W. McLendon**, Chapel Hill
 James Doyle Medders, Louisburg
 Robert L. Murray, Roanoke, Va.
 ***John S. Noell**, Matairie, La.
 John W. Ormand Jr., Wilmington
 Francis D. Pepper Jr., Winston-Salem
 Carey J. Perry, Louisburg
 George L. Pittman, Burlington
 William R. Purell, Laurinburg
 James F. Richards Jr., Orlando, Fla.
 W. R. Stafford Jr., Greensboro
 ***James G. Todd Jr.**, Hendersonville
 ***John W. Vassey**, Raleigh
 Garland E. Wampler, Burnsville
 William B. Wood, Chapel Hill
 ***Leonard S. Woodall**, Smithfield

Class of 1957

***Joseph J. Allen**, Portsmouth, Va.
 ***Francis Norman Bowles Jr.**, Atlanta, Ga.
 Robert S. Cline, Sanford
 ***Joel D. Conner**, Gastonia
 William P. Cornell, Phoenix, Ariz.
 George S. Edwards, Raleigh
 Eric L. Fearrington, Greenville
 ***Julius A. Green Jr.**, Raleigh
 Stephen J. Gupton Jr., Raleigh
 ***James Grayson Hall**, Dobson
 ***Lois T. Harris**, Chapel Hill
 ***Oliver J. Hart Jr.**, Winston-Salem
 ***Bennett A. Hayes Jr.**, Fayetteville
 ***G. L. Irvin III**, Coral Gables, Fla.

Thomas M. Johnson, Smithfield
 ***R. V. (Dick) Liles Jr.**, Albemarle
 H. Maxwell Morrison Jr., Pinehurst
 ***H. J. Ritchie**, Concord
 Irl T. Sell III, Phoenix, Ariz.
 James N. Slade, Edenton
 ***James H. M. Thorp**, Rocky Mount
 Benson R. Wilcox, Chapel Hill

Class of 1958

***James T. Alley**, Goldsboro
 Clarence A. Bailey Jr., Durham
 John I. Brooks, Tarboro
 M. Paul Capp, Tucson, Ariz.
 ***David B. Crosland**, Concord
 George E. Ennis, Hickory
 Nancy L. P. Fawcett, Miami, Fla.
 ***Carl A. Furr Jr.**, Concord
 ***Arline W. Hamer Jr.**, Morganton
 John S. Howie, Raleigh
 Walter N. Long Jr., Taylorsville
 ***John A. McGee Jr.**, Charlotte
 Luther S. Nelson, Amarillo, Texas
 T. Lane Ormand, Monroe
 John Richard Patterson, Danville, Va.
 ***P. D. McMichael Jr.**, Reidsville
 ***William R. Story**, Charlotte

Class of 1959

***Cecil L. Barrier**, Lawndale
 ***James T. Best**, Sea Level
 ***R. W. Brawley**, Charlotte
 ***Doris B. Braxton**, Burlington
 ***Robert C. Brown**, Rutherfordton
 ***Norman A. Desrosiers**, Butler
 Otis N. Fisher, Greensboro
 ***George W. Gentry Jr.**, Roxboro
 Charles F. Gilbert, Greenville
 Joel S. Goodwin, Salisbury
 ***Robert L. Green**, Winston-Salem
 Glenn E. Hair, Fayetteville
 ***Morris A. Jones**, Durham
 James A. Kiley, Kalispell, Mont.
 ***P. M. Moore Jr.**, Washington
 ***Arthur Sherman Morris Jr.**, Asheville
 Don H. Richardson, Boyce, Va.
 Julian W. Selig Jr., Norfolk, Va.
 ***Martha Sharpless**, Greensboro
 ***Robert M. Stevenson**, Lincolnton
 ***William W. Sutton**, Wallace
 ***Shahane R. Taylor Jr.**, Greensboro
 Charles E. Trado, Hickory
 ***Franklin D. White**, Siler City

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Class of 1960

***Neil C. Bender**, Pollocksville
 John R. Curtis, Athens, Ga.
 Gerald W. Fernald, Chapel Hill
 J. Thomas Fox Jr., Charlotte
 David B. Garmisle, Clark, N.J.
 Robert H. Hackler III, Richmond, Va.
 James R. Harper, Chapel Hill
 Falls L. Harris, Greenville, S.C.
 ***K. F. McCain**, Winston-Salem
 ***John F. Munroe**, Whiteville
 Duncan S. Owen Jr., Richmond, Va.
 Elizabeth V. Raft, Durham
 ***Robert F. Sloop Jr.**, Wilson
 G. Thomas Strickland, Bethesda, Md.
 ***John Cotten Tayloe**, New Bern
 H. Mac Vandiviere, Lexington, Ky.
 P. Burt Veazey, Sarasota, Fla.
 ***Kenneth Weaver**, Waynesville

Class of 1961

James Howard Blair Jr., Columbia, S.C.
 William Steward Bradford, Windermere,
 Fla.
 William L. Brown, Roanoke Rapids
 ***Daniel E. Clark**, Southern Pines
 ***Robert K. Creighton Jr.**, Wilmington
 Benjamin Wesley Garrou, Valdese
 John Calhoun Graham Jr., Elizabeth City
 Richard Woodard Hudson, Bayboro
 Richard Dorn Jordan, Salisbury
 William Herbert Kouri, Charlotte
 ***Lloyd Dermot Lohr**, Lexington
 ***William Stacy Miller**, Raleigh
 ***William Watson Morgan Jr.**, Asheville
 Albert Ray Newsome, Winston-Salem
 Robert Frederick Noel, Henderson
 William L. Owens, Clinton
 ***L. L. Patsevouras**, Greensboro
 ***Leonard E. Reaves III**, Fayetteville
 Walter Ray Samuels, Charlotte
 ***Edward A. Sharpless**, Greensboro
 William Ferrell Shuford, Wilmington
 Joshua Tayloe, Washington
 ***Zebulon Weaver III**, Asheville

Class of 1962

Karl L. Barkley, Greensboro
 Oscar H. Bolch Jr., San Diego, Calif.
 ***Frederic A. Burney**, Wadesboro
 J. H. Callicott Jr., Lynchburg, Va.
 Robert Ashe Carter, Nashville, Tenn.
 Lawrence M. Cutchin, Tarboro
 Marion W. Griffin, Asheboro
 Jerry J. Eller, San Antonio, Texas
 Fred D. Hamrick, Lynchburg, Va.
 M. Lawrence Kouri, Charlotte
 Helga Muiznieks, New York, N.Y.
 William R. Pitzer, Winston-Salem
 ***Lambros C. Rigas**, Rome, Ga.
 ***D. E. Searborough**, Rocky Mount
 ***Marion Hardin Smith**, Houston, Texas
 ***Richard L. Taylor**, Oxford
 David T. Watson, Atlanta, Ga.
 ***Abner C. Withers**, Drexel

Class of 1963

William P. Algary, Greenville, S.C.
Quincy A. Ayscue, Norfolk, Va.
W. Paul Biggers, Chapel Hill
*Karl F. Bitter, Asheville
J. Andrew Burnam, Miami, Fla.
*Bruce F. Caldwell, Clinton
John W. Dalton, Santa Monica, Calif.
William B. Deal, Gainesville, Fla.
J. Michael Gallagher, Bellevue,
Wash.

*Henry W. Gerock Jr., Jacksonville
John P. Goodson, Garner
Ira M. Hardy II, Greenville
*William O. Jolly III, Albemarle
*Walter V. Mauney, Murphy
James L. Parker, Conover
*Tom S. Rand, Wilson
Douglas L. Ritch, Charlotte
Charlotte J. Sawyer III, Ahsokie
*Horace K. Sawyer, Decatur, Ga.
Samuel E. Scott, Burlington
*David W. Sillmon, Greensboro
*Roy A. Weaver, Fayetteville
Theodore C. Whitson, Decatur, Ga.
David R. Williams, Thomasville
W. Landis Voight, Edenton

Class of 1964

Rudolf F. Albert, Roanoke, Va.
J. W. D. Atchison, Ruston, La.
Lawrence Berman, Nashville, Tenn.
*Takey Crist, Jacksonville
Robert Croom III, Chapel Hill
Earl E. Fisher, Wilson
John B. Fox, Scottsdale, Ariz.
G. Patrick Henderson Jr., Southern Pines
E. Woodrow Hunt, LaJolla, Calif.
Mickael M. Kannan, Richmond, Va.
W. K. Kilpatrick, Southern Pines
J. A. "Mose" Macfie Jr., Greenville, S.C.
*Richard A. Mangum, Creedmoor
Murphy F. McGirt Jr., Kinston
Artus M. Moser Jr., Swannanoa
Donald K. Nelms, Fort Worth, Texas
*J. Isaac Newton, Winston-Salem
*Robert James Pierce Jr., Hickory
James W. Reynolds Jr., Salisbury
James W. Rose, Madison, Wis.
*Russell C. (Jack) Taylor, Boone
Wayne Burnette Venters, Jacksonville
C. R. Wheelless Jr., Baltimore, Md.
James L. Williams, Spokane, Wash.

Class of 1965

Richard M. Aderhold, Winston-Salem
J. Wayne Battle Jr., Johnson City, Tenn.
Marvin R. Goldstein, Scottsdale, Ariz.
Robert L. Grubb Jr., St. Louis, Mo.
David C. Hefelfinger, Tuscaloosa, Ala.
Howard Holderness Jr., Truckee, Calif.
William C. Langdon, Richmond, Va.
*Gordon Buck LeGrand, Raleigh
Sue M. Kirkpatrick, Los Gatos, Calif.

*William D. McLester, Richmond, Va.
Peter A. Modrow, Raleigh
Llewellyn Phillips II, Renton, Wash.
Thomas L. Presson, Greensboro
William F. Sayers, Winston-Salem
Evin H. Sides, Raleigh
John B. Shinn, Los Altos, Calif.
Williamson B. Strum, La Jolla, Calif.
Ralph N. Wesley Jr., Gadsden, Ala.
Donald P. Whitley, Richmond, Va.

Class of 1966

*Willis A. Archer, Rutherfordton
J. Curtis Abell, Statesville
Robert P. Barringer, Gastonia
Garry P. Bergeron Jr., Birmingham, Ala.
*Paul L. Burroughs Jr., Raleigh
John R. Crawford III, Salisbury
William M. Crutchfield, Elizabeth City
Carroll L. Gray, High Point
George T. Grigsby Jr., Topeka, Kan.
Carol H. Hackett, Mercer Island,
Wash.
Lewis P. Hicks, Lexington, Ky.
N. Neil Howell, Charlotte
Thomas J. Koontz, Winston-Salem
Peter L. Morris, Santa Barbara, Calif.
Hugh G. Murray Jr., Atlanta, Ga.
Roy K. Pons, Medford, Ore.
Alan M. Rich, Lakeland, Fla.
Robert E. Sevier, Greensboro
*Walter F. Steele, Valdese
W. Hunter Vaughan, Steubenville, Ohio

Class of 1967

Gerald W. Blake, Raleigh
George Bonham, Rock Hill, S.C.
Thomas W. Bundy, Chambersburg, Pa.
David A. Evans, Monroe
*Elzie F. Hart Jr., Morganton
James D. Hundley, Wilmington
Frank W. Leak, Clinton
Jacob A. Lohr, Charlottesville, Va.
Harold B. Owens, Birmingham, Ala.
*Joel E. Rothermel, New York, N.Y.
Walter Sabiston, Kinston
Henry C. Thomason Jr., Gastonia

Class of 1968

James E. Drake, Greensboro
Terry D. Golden, Atlanta, Ga.
Theodora L. Gongware, Savannah, Ga.
Allan W. Gray, Lumberton
W. Franklin Hancock Jr., Siler City
*Sam Harris, Lexington
Hoke F. Henderson Jr., Columbia, S.C.
Ronald F. Joyner, Greensboro
John L. Kirkland III, Houston, Texas
Jerold E. Lancourt, New York, N.Y.
John C. Markham III, Augusta, Ga.
Carole W. Samuelson, Birmingham, Ala
E. Frank Shavender, Durham
F. Charles Tucker, Pensacola, Fla.

Class of 1969

H. Wallace Baird, Greensboro
Don Chaplin, Burlington
Bertram Coffey, Raleigh
*R. Spencer Eaves, Gastonia
Stewart Ellington, Salt Lake City, Utah
Richard Fleming, Rochester, Minn.
Elis Fisher, Gastonia
Lynous Hall, Northridge, Calif.
Ed Haseldon, Columbia, S.C.
Clem Lucas, Edenton
Cameron MacCaughelty, Kirkwood, Mo.
*Don MacQueen, Wilmington
James Powers, Rockwell, Md.
Joseph Russell, Wilson
James Snyder, Wilmington
John Triplett, Grand Junction, Colo.

Class of 1970

H. Clifford Baggett, Raleigh
William J. Busby, Thomasville
Daniel L. Crocker, Rocky Mount
Charles E. Crumley, Lincolnton
Stephen L. Green, Hampton, Va.
H. Shelton Earp III, Chapel Hill
Richard M. Freeman, Opelika, Ala.
W. Borden Hooks Jr., Mount Airy
Frederick G. Kroncke, Rocky Mount
James D. Melton, Morganton
Thomas W. Nicholson, Washington
Edward A. Norfleet, Chapel Hill
Christine Oliver, Arlington, Maine
James B. Sloan, Wilmington
Edward B. Sussman, Worcester, Maine
T. Reed Underhill, Portsmouth, Va.
James E. Winslow Jr., Roxboro

Class of 1971

John V. Allcott III, Bronx, N.Y.
J. Richard Auman, Portsmouth, Va.
Charles Brett, Camp Lejeune
James S. Coxe III, Columbus, Ohio
Mary Susan Fulghum, Raleigh
Michael R. Knowles, Andrews AFB, Md.
William B. Pittman, Ft. Sam Houston,
Texas
R. Randolph Powell, Beckley, W. Va.
John O. Reynolds, Chapel Hill
Charles H. Richman, Saratoga Springs,
N.Y.
Sara H. Sinal, Winston-Salem
John P. Surratt, Clinton

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Class of 1972

Larry L. Adams, Chapel Hill
Robert L. Barnes, Knoxville, Tenn.
Peter R. Bream, Birmingham, Ala.
Peter G. Chikes, Columbia, S.C.
W. Andrew Cook, Nashville, Tenn.
Cecil M. Farrington, Salisbury
Alger V. Hamrick, Martinez, Ga.
Frederick C. Heaton, Raleigh
C. Dwight Hedgepeth, Greensboro
John S. Hughes, New Haven, Conn.
Thomas G. Irons, APO New York, N.Y.
Robert W. Little, Burlington
John R. Lurain III, Portsmouth, Va.
William J. Simons, Asheville
Ronald J. Stanley, Boone
S. Clark Sugg, New York, N.Y.
Richard C. Taft, Greenville
William C. Tate II, Banner Elk
G. Dean Wilson Jr., Fayetteville
Michael F. Yarborough, New York, N.Y.

Class of 1973

Fred F. Bahnsen, Charlottesville, Va.
Stephen A. Bernard, St. Louis, Mo.
Stephen Bates Billick, Philadelphia, Pa.
Marshall F. Goldberg, Chamblee, Ga.
Donald B. Goodman Jr., Charlotte
Colin D. Jones, Winton
S. Malone Parham, Henderson
C. Stewart Rogers, Grafton, W.Va.

Class of 1974

Cliff Patterson, Wayland, Mass.
Hershel L. Wix, Chicago, Ill.

Class of 1975

James F. Black, Chapel Hill
Julian C. Brantley III, Chapel Hill
Benjamin Douglas, APO New York, N.Y.
Frank Burkett Fondren III, Durham
Donald G. Gregg, Mauldin, S.C.
Perry M. Harmon, Charleston, S.C.
Eric H. Helsabeck, Johnson City, N.Y.
M. Lee Kirsch, Brookline, Mass.
Ernest Krug III, Boston, Mass.
Charles P. Langley III, Chapel Hill
David S. Lennon, San Diego, Calif.
Gary M. McClain, San Diego, Calif.
James E. Peacock Jr., Charlottesville, Va.
Joseph R. Pringle Jr., Portsmouth, Va.
Hendricks H. Whitman III, Greenwich, Conn.

Class of 1976

Alex Bouteneff, Andrews
David F. Silver, Norwich, Vt.
Richard L. Wing, Charlotte



Non-Alumni

Robert H. Ackerman, Boston, Mass.
Ray M. Antley, Indianapolis, Ind.
A. John Bambara, Bridgewater, N.J.
Philip M. Blatt, Chapel Hill
C. A. Bream, Chapel Hill
John W. Caffey, Jacksonville, Fla.
Richard L. Clark, Chapel Hill
Robert L. Clark, Johnson City, Tenn.
John A. Cross Jr., Newport News, Va.
Floyd W. Denny, Chapel Hill
John A. Ewing, Chapel Hill
John R. Fisher III, Cleveland, Ohio
William L. Fleming, Chapel Hill
Byron A. Genner III, Potomac, Md.
Herbert S. Harned, Chapel Hill
Glenn B. Hays, Fort Myers, Fla.
William B. Herring, Greensboro
Richard W. Honsinger Jr., Los Alamos, N.M.
J. Logan Irvin, Chapel Hill
David G. Kaufman, Chapel Hill
Steven B. Lippmann, Louisville, Ky.
Marie F. Lipsett, Marlin, Texas
Barbara Lipton, Chapel Hill
Morris Lipton, Chapel Hill
Roger L. Lundblad, Chapel Hill
Lockert B. Mason, Wilmington
C. Knox Massey, Durham
W. Benson McCutcheon Jr., Durham

D. L. McIlwain, Chapel Hill
Campbell W. McMillan, Chapel Hill
Morton Meitzer, Durham
Charles P. Nicholson Jr., Morehead City
David W. Orthals Jr., St. Louis, Mo.
Joseph S. Pagano, Chapel Hill
Samuel H. Pepkowitz, Greenville
James R. Pick, Pittsboro
Taylor A. Prewitt, Fort Smith, Ariz.
Beverly Raney Jr., Gladwyne, Pa.
Thomas J. Richmond, Saratago Springs, N.Y.
John L. Rodgers, Vero Beach, Fla.
A. J. Sabo, Parkersburg, W.Va.
Michael A. Santer Jr., Parkersburg, W.Va.
Charles Shaffer, Chapel Hill
Charles E. Smith, Chapel Hill
Samuel W. Smith Jr., Greenville, S.C.
Roger F. Spencer, Durham
John K. Spitznagel, Chapel Hill
Alex H. Veazey, Hendersonville
Clayton F. Wheeler Jr., Chapel Hill
Robert K. Wilson Jr., Pensacola, Fla.
H. Linton Wray, Chevey Chase, Md.
Peter R. Young, Greensboro
William J. Yount, Chapel Hill
N. P. Zarzar, Raleigh
Robert Zeppa, Miami, Fla.

Extracts

Boulton asserts assets of virtue

Moral virtue as well as intellectual standards must become an important part of the education process and a requirement of medical students, said Donald A. Boulton, vice-chancellor for student affairs.

In an address to the Association of Academic Surgery, Boulton said that if the educational system and admissions selection process leaves us dissatisfied with the students it selects, then something in that system must be changed.

Our schools have decided to concentrate solely upon intellectual virtue, he said. We have spent most of our time during the last 20 years assisting students to acquire knowledge and skills, but have chosen not to deal with their values. In this neglect, we have been creating "monster medical students."

These students are indeed the product of a national climate which is not very favorable to the distribution of knowledge for its own sake, he added.

"We curse the fact that all our students have become good cheaters, but we are at fault."

Boulton said the West Point cheating scandal is typical of every institution where ethics are often divorced from honor and added that cheating at the undergraduate level is often accomplished so that students can gain admission to professional and graduate schools.

"The teaching profession must re-evaluate its own ethical position," the vice-chancellor said. "There is no substitute for teaching by example. The future of the civilized world may depend in part on the effectiveness with which we teach moral and spiritual values.

"We are not being teachers if we do not encourage both intellectual and moral virtue."

Boulton said that when the important consideration becomes the need, rather than the way, the quality of university life is changed drastically and the rivers of knowledge are polluted.

He said, "We must urge students to strive for the highest standards in every phase of their lives, and reinforce this by our own example."



Donald A. Boulton

Job attitudes vary after breast cancer

What are a woman's chances of getting a job if she has had breast cancer?

Researchers in the School of Public Health say it depends on how the employer feels about breast cancer.

In a study of 68 companies in Alamance County, Dr. Jo Anne Earp and Nancy McCharen found that employers' attitudes carry more weight in the hiring decision than does either the employee's present medical condition or the employer's knowledge of cancer.

The decision to hire seems to be based not on any established medical or company guidelines, but on an employer's personal experience with women who have had breast cancer.

Other key elements influencing the hiring decision are company factors, such as the size of the company and the percentage of women it employs and policies, such as sick leave benefits.

The study, funded by the American Cancer Society and the UNC-CH School of Medicine's Cancer Research Center, was conducted with the cooperation of the Alamance County Cancer Society and the Personnel Association of Alamance County.

In Alamance County, which has a higher percentage of women in the labor force than does the state of

North Carolina, about 63 percent of women aged 45-65 are employed—the age group most at risk of developing breast cancer.

Three-fourths of those who completed the survey held mid- and upper-level positions within the company and most knew someone personally who had breast cancer.

Based on their findings, Earp, assistant professor of health education and McCharen, administrator of the survey, recommend that employers establish medical criteria for hiring for particular jobs. They also propose physicians or occupational nurses be asked to make medical judgments about a person's current physical condition and the job to be performed, rather than the possibility of future illness.

Diet link to cancer is studied here

Dr. Michel A. Ibrahim, chairman of epidemiology, has received a \$34,634 National Institutes of Health grant to study the usefulness of questioning persons about past diets to learn more about cancer's causes.

Ibrahim and assistants at the School of Public Health will re-interview residents of Evans County, Ga., who were surveyed extensively in the early 1960's. Among other data gathered then were detailed records of each interviewee's typical meals.

Ibrahim's team will ask the approximately 300 surviving participants of the 1960's survey to recall their eating

habits from that period. The researchers then will compare the new responses with those given at the time in question.

Barbara K. Garland, a nutritional epidemiologist and doctoral candidate, will supervise the project's field interviewers. They will ask the same questions this spring and summer that were asked in Evans County in the 1960's.



Dr. W. Reece Berryhill, dean emeritus of the School of Medicine, was honored the state chapter of the American Academy of Family Physicians for his leadership in helping to revitalize family medicine programs in the state's medical schools.

Mayer is named

Dr. Eugene S. Mayer, a member of the School of Medicine faculty, has been named director of the North

Carolina Area Health Education Centers program and associate dean of the School of Medicine.

Since 1972 Mayer has been deputy director of AHEC, a program which is part of a national experiment designed to improve the number and distribution of health care personnel in underserved areas.

He succeeds Glenn Wilson who was named chairman of a new department of community medicine and hospital administration in the UNC-CH School of Medicine.

A member of the UNC-CH faculty since 1971, Mayer holds appointments as associate professor of both family medicine and medicine in the School of Medicine. He also is adjunct assistant professor of epidemiology in the School of Public Health and a research associate in the Health Services Research Center.

The AHEC program, headquartered in the UNC School of Medicine, has been developed in cooperation with the health schools in Chapel Hill, Duke University Medical Center, Bowman Gray School of Medicine and East Carolina University.

Medical, dental, nursing, public health, pharmacy and allied health students receive substantial training in the state's nine AHECs. Each AHEC, based at a major community hospital or group of hospitals, also provides opportunities in continuing education for practicing health professionals. In addition, the AHEC system in North Carolina is developing 300 new positions for training physicians in primary medical care.

Help determine U.S. health care, Fordham says

Members of the medical profession must become leaders in the decision-making of the nation's health care policies, Dr. Christopher C. Fordham III told members of the American Medical Association in a February meeting.

The dean of the School of Medicine said that physicians must play an important part in the proposals which could cause far-reaching changes in the health-care system.

There is an inextricable link among the areas of medical education, research and practice, he said. "The academic medical community and the practicing community surely have a common destiny."

Fordham noted that "a paradoxical relationship exists between physicians and their patients" when 61 percent of those who respond to a survey say a health care crisis exists while 88 percent of the same respondents say they are satisfied with their own care.

While respected as individuals by their patients, he said that as a group, physicians do not have enough credibility and are not called upon as leaders as the nation molds its health care policies.

In an ever-increasing public demand, the health professions have responded with both improved service and in numbers who serve. Despite these gains, Fordham said society is still ambivalent as to the direction it wants medical care to take.

Government has aided the cause of health care, the dean said, but added that its record is "marred by inconsistency and short-term, simplistic proposals to solve long-term, complicated problems." It is physicians who must be more effective in finding better solutions.

Physicians, Fordham said, must work together and lead the way toward the common health-care goals which serve the needs of society.



Medical school students and faculty took time off from their regular schedules to share lighter activities Saturday, April 22, at the annual student-faculty day.

Some natural human chemicals act as opiates, Snyder says at lecture

An internationally-known pharmacologist and psychiatrist discussed his research into morphine-like painkillers produced within the human body at the School of Medicine's third annual Distinguished Medical Science Lectureship held May 3.

Dr. Solomon H. Snyder of the Johns Hopkins University School of Medicine spoke on "Endogenous Opioids and the Opiate Receptor." Snyder was one of the first scientists to study the human opiate-acting chemicals which have the same effect in the body as morphine.

By studying morphine, Snyder learned that the nervous system has receptors, parts of cells, to which the drug attaches itself. Since morphine

isn't produced in the body, scientists investigated the possibility that human receptors exist to work with human-produced painkillers.

The human opiate, called endorphine, or an inner morphine, acts quickly, altering thresholds of pain without interfering with the pain process which acts as a protective signal.

In addition, evidence suggests that endorphin does not cause the physical or psychological addiction of the other opiates.

The School of Medicine invites an international figure to speak each year on a popular new development in the medical sciences for the Distinguished Medical Sciences Lectureship.



Dr. J. Logan Irvin greeted guests at a party held in his honor. Irvin, professor of biochemistry and nutrition, recently stepped down as chairman of the department.

Some epilepsy is preventable

Improved maternal care and child-birth practices can reduce the number of new cases of epilepsy, says a specialist in children's neurological problems.

"One of the leading known causes of epileptic disorders is injury to the unborn or the newborn child," says Dr. Robert S. Greenwood, assistant professor of neurology at the School of Medicine.

"Studies have shown that good care can dramatically reduce the incidence of some epileptic disorders just as it can decrease birth defects," he says. "The potential for improving the situation is especially great in North Carolina where more than the average number of infants are born with serious medical problems."

Greenwood is director of the new pediatric seizure disorder clinic opened in March at North Carolina Memorial Hospital. A team approach to care is used at the clinic, he says,

so that children and their families can get help from many specialists in understanding and dealing with the problems of epilepsy.

Nationwide, about one in every 100 persons, nearly 2.3 million people, suffer from one or more of the seizure disorders called the epilepsies.

"For the majority of epilepsies the causes are still a mystery," he says. "But for the ones we understand, there is the chance that good maternal and obstetrical care can help to prevent some children from suffering with this disorder."

Annual cancer symposium held

This year nearly 1,500 North Carolinians will develop cancer of the colon or rectum. Another 350 will be diagnosed as having stomach cancer. And about 450 will get cancer of the pancreas.

Gastrointestinal malignancies,

says Dr. Charles A. Herbst of the School of Medicine, are among the most frequently diagnosed types of cancer in this country.

"Colon cancer, for example, is right at the top of the list," Herbst says. "It's probably tied with lung cancer as the most commonly found cancer. And the older you get, the more likely you are to develop these types of cancer."

Herbst was program chairman of the 11th Annual Symposium on Malignant Disease held April 21-22 in Chapel Hill. Physicians from the Carolinas and Virginia attended the two-day update on recent advances in diagnosis and management of gastrointestinal cancer.

Among topics discussed included a review of the current status of carcinogens that may be linked to the development of gastrointestinal cancer, a discussion of persons who are genetically predisposed to develop cancer and a look at promising new screening techniques that may help early diagnosis.

According to Herbst, one of these tests is currently used in several large medical centers to detect hidden blood in stools. The presence of blood in the stool could signal colon cancer.

"We hope that by alerting physicians to such tests and to other recent advances in diagnosis and care, they will be better able to manage patients with gastrointestinal cancer in their home communities."

Gottschalk named award recipient

Dr. Carl W. Gottschalk, Kenan professor of medicine and physiology and one of the world's foremost kidney researchers, was named the 1978 recipient of the O. Max Gardner Award.

The award is the only state-wide honor given by the board of governors of the University of North Carolina. It is presented annually to a faculty member of the 16-campus UNC system who, during the current



Dr. Gottschalk

scholastic year, has made the greatest contribution to mankind.

Gottschalk, a Career Investigator of the American Heart Association, has been influential in national planning for dialysis and kidney transportation treatment of patients with kidney disease.

He is the 30th recipient of the award which was established by the late Oliver Max Gardner, former governor of North Carolina and an instrumental figure in the development of the consolidated university.

Gottschalk has earned an interna-

tional reputation for his development of micropuncture techniques that have shed light on how the kidney functions in man in both normal and disease states. This precise and demanding procedure involves the use of sophisticated and very delicate equipment.



Spoofing the physicians, including Dean Fordham, are members of the cast of Star Wards, the 1978 Student-Faculty Day skit.

Library is named

A medical library and conference room for the Clinical Research Unit



Dr. William W. McLendon (right), chairman of the Centennial Committee, and Public Affairs Director John W. Stokes check lead proofs of the commemorative coin that's been struck to celebrate the school's 100th anniversary.

of North Carolina Memorial Hospital was named for the man whom his colleagues called "the founding father of the unit."

The Walter Hollander Jr. Conference Room and Library was dedicated to Hollander, professor of medicine emeritus, who retired last June.

Hollander became the CRU's first director in 1959, a post he held for nearly seven years.

The library is filled with many of Hollander's medical journals and other medical books. □

Reserve Yours Now

They're here—the shipment of 1,000 fine silver coins minted to help commemorate the 100th anniversary of the School of Medicine.

Struck in 10-gage, .999 pure silver, each coin is 1½ inches in diameter. They come packaged singly in attractive presentation cases. Proceeds from sale of the coins will help support a special Centennial Scholarship fund in the medical school.

Great for collectors, gifts

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Faculty activities and publications

COLIN D. HALL, M.D., associate professor of neurology and medicine and director of EEG/EMG laboratories, has been named director of the new neuro-muscular unit in the department of neurology. He will be responsible for coordinating the departmental clinical, research and teaching efforts in the area of neuro-muscular disease.

CHRISTOPHER C. FORDHAM III, M.D., dean of the School of Medicine, has been named to a 14-member study group on graduate medical education established by the Josiah Macy Jr. Foundation.

The study, "Graduate Medical Education, Present and Prospective, A Call For Action," will examine the internship and residency training of physicians.

Study members will evaluate the content, cost and control of graduate medical education, factors considered to have a significant influence on graduate medical education during the next few decades.

The study group includes physicians, administrators, economists and editors from across the country.

STANLEY R. MANDEL, M.D., associate professor of surgery and head of transplant section, has been elected chairman of the Young Surgeons Committee of the American College of Surgeons.

CECIL G. SHEPS, M.D., profes-

sor of social medicine, has been appointed to an ad hoc advisory committee of the U.S. Department of Health, Education and Welfare. The committee will survey the public health service hospital system in the United States to determine how it can be used most effectively to meet the health care needs of local communities and the nation.

COLIN G. THOMAS JR., M.D., professor and chairman of surgery, presented "Surgery of the Thyroid" at the Eastern Virginia Medical School in Norfolk, Feb. 17. As visiting professor, he also made rounds with the staff and attended conferences.



Dr. Thomas

JOEL B. BASEMAN, Ph.D., associate professor of bacteriology and immunology, has been appointed to the Microbiology and Infectious Diseases Advisory Committee of the National Institute of Allergy and Infectious Diseases.

The committee, consisting of 10 appointees selected nationally and NIH staff, advises the Department of Health, Education and Welfare on policy, planning and operational matters of NIAID related to research, development and evaluation of programs in microbiology and infectious diseases. Committee members also serve as ad hoc reviewers of grant and project proposals and contractor facilities.

Baseman also has been chosen chairman-elect of the General Medical Microbiology Division of the American Society for Microbiology.

JOHN S. KIZER, M.D., assistant professor of pharmacology, medicine and neurobiology, has received the Research Scientist Career Development Award for studies in the neurosciences from the National Institute of Mental Health.

H. G. MADHWA RAJ, Ph.D., assistant professor of Ob-Gyn and pharmacology, spoke at the National Institutes of Health Workshop on the Testis in Geilo, Norway in April.

JAMES N. HAYWARD, M.D., professor and chairman of neurology,

Faculty activities and publications

lectured on "Basic and Clinical Aspects of Hypothalamus" at Neurology Grand Rounds and Adult and Pediatric Professor's Rounds at the University of Maryland Hospital in Baltimore, Feb. 17.

GEORGE JOHNSON JR., M.D., professor and chief of general surgery, has been elected to the Executive Council of The Southern Association for Vascular Surgery for a term of three years. Johnson served as program chairman for The Southern Association for Vascular Surgery meeting held in Duck Key, Fla., Feb. 3-4.

He was presented as a new member of the Stroke Council, American Heart Association, at an Association meeting in New Orleans, Feb. 17.

W. MITCHELL SAMS JR., M.D., professor of dermatology, attended a meeting in San Francisco Jan. 30-Feb. 1 of the committee responsible for developing programs for the Annual Meeting for the American Academy of Dermatology.

The Academy, largest organization of dermatologists in the world, meets each year during the first week of December. Sams' committee is responsible for direction of educational activities and for selection of specific topics and directors for the 15 courses, 25 symposia, 39 forums and 71 seminars.

CLAYTON E. WHEELER JR., M.D., chairman of dermatology and of the Residency Review Committee for Dermatology, attended a meeting of the Liaison Committee on Graduate Medical Education Feb. 6-7 in Chicago. He also attended the American Board of Dermatology meeting at the National Board of Medical Examiners in Philadelphia, Jan. 12 and 13. Wheeler is president of the Dermatology Board.

Purpose of the meeting was to establish policies for creation of the Board's specialty certifying examination. About 275 specialists in dermatology are certified each year.



Dr. Wheeler



Dr. Walton

LESLIE A. WALTON, M.D., assistant professor of gynecological oncology, recently published two medical papers: "A Re-examination of Endometriosis after Pregnancy," *The Journal of Reproductive Medicine*, December, 1977, and "Sigmoidovaginal fistulae due to diverticular disease: Two case reports and an update," *Obstetrics and Gynecology*, supplement, January, 1978.

IRVING L. BERGER, M.D., clinical professor of psychiatry, has been elected president of the American Group Psychotherapy Association. He delivered his presidential address, "Ideologies and Issues of Group Psychotherapy," at the conference opening plenary session Feb. 21 in New Orleans. Berger also serves as chief of psychiatry at the Veterans Administration Hospital in Fayetteville.



Dr. Van Wyk

JUDSON J. VAN WYK, M.D., Kenan professor of pediatrics, has been invited to serve as a foreign advisor to Japan's Foundation for Growth Science by its board of directors and the president of the Japan Medical Association.

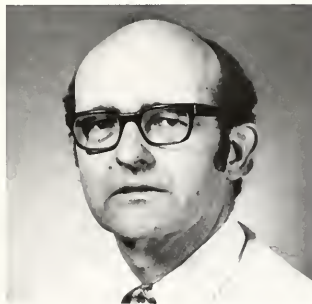
He will be one of four foreign advisors to the recently-established foundation which subsidizes and conducts research concerning growth science.

Van Wyk served as co-chairman of an international symposium on somatomedins and growth held in March in Italy.

Other faculty members who participated in the symposium include **A. JOSEPH D' ERCOLE, M.D.**, assistant professor of pediatrics and **LOUIS E. UNDERWOOD, M.D.**, associate professor of pediatrics.

STEVEN A. COHEN-COLE, M.D., instructor in psychiatry, and **CHARLES P. FRIEDMAN, Ph.D.**, medical studies, co-authored a paper presented by Cohen-Cole at the recent meeting of the American Psychosomatic Society in Washington. Friedman also presented a paper at a meeting of the North American Primary Care Research Group in Toronto, April 13-15.

WILLIAM W. McLENDON, M.D., professor of pathology and chairman of hospital laboratories, has been elected an American Medical Association trustee to The American Board of Pathology. He will work with the board during 1978 as a trustee designate and will begin his three-year term as a trustee Jan. 1, 1979.



Dr. McLendon

FRANK C. WILSON, M.D., professor and chairman of orthopaedic surgery, has been installed as president of the Association of Orthopaedic Chairmen.

The association, founded in 1971, is composed of 171 orthopaedic chairmen from across the United States. The group provides a forum for discussion of problems related to medical education and coordinates activities among orthopaedic departments and other groups interested in medical education.

Wilson said the major focus of the association during the coming year would be on the role and responsibility of educational institutions in the graduate medical education process.

CHARLES B. NEMEROFF, Ph.D., of the Biological Sciences Research Center, chaired a symposium on "Central Nervous System Effects of Endogenous Peptides" at the Eleventh Annual Winter Conference on Brain Research Jan. 21-28 in Keystone, Colo. He also presented a seminar in neuroendocrinology at the Institute for Behavioral Genetics at the University of Colorado at Boulder.

ESZTER B. KOKAS, M.D., professor emeritus of physiology, received the Golden Diploma Award during a special ceremony at Medical University, Debrecen, Hungary in May. This presentation commemo-

rates the 50th anniversary of the awarding of the M.D. degree to Kokas from Medical University.

KENNETH R. HASLAM, M.D., assistant professor of anesthesiology and director of medical engineering, attended the annual meeting of the Association for the Advancement of Medical Instrumentation in Washington, D.C., March 29-April 1. Haslam is a member of the Board of Examiners for Biomedical Equipment Technicians.

Three physicians in the field of endocrinology and infertility at the School of Medicine have been elected to offices of national medical organizations.

DRS. LUTHER M. TALBERT, WILLIAM E. EASTERLING and JAROSLAV F. HULKA, professors of obstetrics and gynecology, were named to the posts.

Talbert, director of the division of reproductive endocrinology and fertility, was named president-elect of the Association of Professors of Gynecology and Obstetrics at its annual meeting in New Orleans.

Easterling, chief of staff at North Carolina Memorial Hospital and vice-dean of the medical school, was elected National Chairman, Council on Resident Education in Obstetrics and Gynecology.



Dr. Talbert

Hulka was elected in January as secretary-treasurer of the American Association of Gynecological Laparoscopists, a group of more than 3,000 members whose purpose is to increase educational awareness of laparoscopy as a major gynecologic procedure. He is the president-elect of the organization, and will assume that office in 1980.

WILLIAM G. THOMAS, M.D., associate professor of surgery and director, Hearing and Speech Center, attended the annual meeting of the North Carolina Speech, Hearing and Language Association in Greensboro, April 6-8. Thomas presided over the Continuing Education Session, "Benefits of Professional Associations," and presented "Diagnostic Implications of Brain-stem Evoked Responses" during the Con-

tinuing Education Clinical Exchange Session.

LARRY R. CHURCHILL, Ph.D., assistant professor of medical studies, and **JAMES A. BRYAN II, M.D.**, professor of medicine, conducted a Clinical Humanities Seminar on "Compliance and Control" at Milton S. Hershey Medical Center, Pennsylvania State University, April 6-7.

Faculty presenting papers at the 11th Annual Symposium on Malignant Diseases April 21-22 included: **JAMES F. NEWSOME, M.D.**, professor of surgery, "Management of Unusual Gastrointestinal Tumor"; **MICHAEL R. SWIFT, M.D.**, associate professor of medicine, "Genetic Predisposition: Clues to Early Diagnosis"; **JOHN T. SESSIONS JR., M.D.**, professor of medicine, "The Role of The Endoscopist in Diagnosis"; **CHARLES A. BREAM, M.D.**, professor of radiology, "The Role of the Radiologist in Diagnosis"; **EDWARD V. STAAB, M.D.**, professor of radiology, "Application of Ultrasonography and CAT Scan"; **EDWARD E. ROGOFF, M.D.**, assistant professor of radiology, "Adjuvant Radiotherapy" and **ROBERT L. CAPIZZI, M.D.**, professor of medicine, "Management of Recurrent Gastrointestinal Carcinoma." □

Alumni return to Chapel Hill

Alumni Weekend

More than 350 alumni, faculty and friends attended the 1978 Medical Alumni Association's annual alumni weekend Friday and Saturday, April 7 and 8 in Chapel Hill—the largest group ever to gather for the event. Highlights of the weekend's activities include:

Dr. John L. McCain, '50, offered a tribute to the late Dr. Oscar L. Sapp III, associate dean for alumni affairs and continuing education.

Sapp, who died Jan. 22, was honored for his many contributions to the School of Medicine and to the study of medicine.

Dr. William L. London, '55, outgoing MAA president, received a presentation from Dr. William B. Wood, '56, associate director for continuing education and alumni affairs. New MAA president Dr. James H.M. Thorp, '57, noted that London met both goals he set early during office: to increase the Loyalty Fund contributions and to increase alumni involvement in the School of Medicine.

In a report on the activities of the

Centennial Committee, Dr. William W. McLendon, '56, reviewed plans for the 1979 alumni weekend to be held Feb. 9 and 10 on campus. The alumni weekend, coordinated with Centennial activities, will include a University-wide convocation. Several honorary degrees will be awarded and a national speaker will give the keynote address.

Two Centennial projects now underway include the minting of a centennial coin and the publishing of a two-volume history/directory of the School of Medicine.





Dr. Anderson



Dr. Gantt



Dr. Kelly



Mr. McLean



Dr. Reynolds



Dr. Richardson



Dr. Thurman

New leaders are installed

The Medical Alumni Association installed new officers and councilors at the annual alumni event.

James H. M. Thorp, '57, became president, succeeding William L. London, '55.

Named president-elect was John A. Kirkland, '50. Vice-president is Rose Pulley, '49; secretary, W. Paul Biggers, '63 and treasurer, H. Durwood Tyndall, '54.

New councilors include: from District II, Frank J. Sabiston Jr., '64 and Henry L. Stephenson Jr., '46; District VII, James W. Burrus, '57; District VIII, E. Ted Chandler, '55; District IX, Richard A. Boyd, '56 and J. Gray McAllister III, '60. At large councilors are: Bruce H. Berryhill, '64, A. Smith Lineberger, '55 and Martha K. Sharpless, '59.

Councilors are the governing body of the association, along with MAA officers, and are appointed in staggered terms from districts throughout the state.

Seven are awarded DSA's

Seven persons, including six alumni of the University of North Carolina at Chapel Hill, received the School of Medicine's highest honor April 7, the Faculty-Alumni Distinguished Service Award.

Those honored were: Dr. Carl E. Anderson, UNC-CH professor emeritus of biochemistry and nutrition; Dr. W. Horsley Gantt, associate professor of psychiatry emeritus at the Johns Hopkins University; Charlotte's Dr. Luther W. Kelly Jr., president of the Nalle Clinic Corporation; Lumberton native Hector MacLean, chairman and chief executive of the Southern National Bank of

North Carolina; Dr. Frank R. Reynolds, a Wilmington pediatrician; Dr. William P. Richardson, recently retired UNC-CH professor of preventive medicine and Dr. William G. Thurman, provost of the University of Oklahoma Health Sciences Center.

Established in 1955 on the 75th anniversary of the founding of the UNC-CH School of Medicine, the Distinguished Service Award recognizes those individuals whose careers and contributions have added prestige to the University and its medical school.

MAA confers faculty award

Members of the Medical Alumni Association have long noticed the increasing contact between practicing physicians and faculty members.

As this relationship developed, especially with the growth of continuing education and AHEC programs, alumni wished to recognize full-time faculty members who gave their time

to activities which involve former students of the medical school. Last year, the MAA proposed an award be given each year at the spring meeting to honor such faculty members.

This year, the Distinguished Faculty Award was given to Dr. John T. Sessions Jr., professor of medicine and a specialist in gastroenterology.

Sessions was honored "in recognition of dedication to the practice of medicine, excellence in teaching and leadership in the School of Medicine and meritorious service to the Alumni."

A faculty member of the School of Medicine for more than 25 years, Sessions has long acted as a liaison between faculty and alumni. He has contributed to increasing communications between referring physicians and the medical center and is a frequent consultant. He has also been involved in continuing education programs as a speaker for more than 20 years.



Dr. John T. Sessions Jr., professor of medicine, receives the first Distinguished Faculty Award from Dr. William L. London, outgoing MAA president, April 8 at the medical school's alumni weekend.



UNC President William C. Friday was among the speakers at the dedication for the Burnett-Womack Clinical Sciences Building. About 300 attended the ceremonies.

The Burnett-Womack Clinical Sciences Building was dedicated April 7, in honor of two physicians whose contributions were instrumental in helping establish the four-year School of Medicine.

The ceremonies were a part of the annual meeting of the Medical Alumni Association.

Dr. Charles H. Burnett was a national figure in academic medicine who chaired the department of medicine for 13 years. As a researcher he made notable contributions to the understanding of metabolic bone diseases and kidney disorders. Relinquishing his post as chairman because of ill health, he continued to teach here until his death in 1967 at the age of 54.

Dr. Nathan A. Womack, chairman of the department of surgery from 1951 to 1966, was a 1922 graduate of the University. He was considered the epitome of the academic surgeon and made a major impact on standards of excellence in surgery

through his efforts in the National Board of Surgery and the National Board of Medical Examiners.

He was a Kenan professor of surgery and held the Distinguished Service Award from the School of Medicine and the MAA. At his death in 1973 at age 73, Womack was still an active participant in the life of the medical school and the University.

The Burnett-Womack Building, which was completed in 1975 at a cost of more than \$8 million, houses sizeable portions of the departments of medicine, surgery, pediatrics, anesthesiology, ophthalmology, neurology, dermatology and family medicine.

The 91,500-square foot building also contains specially-designed areas for temperature-regulated research, tissue culture research and electron microscopy, in addition to fully-equipped general purpose research laboratories. One floor is assigned to the division of laboratory animal medicine. □

Thorp asks alumni to support school

Dr. James H. M. Thorp, '57, of Rocky Mount says he still gets nostalgic about Chapel Hill when he visits here. It's that feeling known by many alumni that he says may help increase participation in the Medical Alumni Association.

As its new president, Thorp is concerned about what alumni can do to support the school, an effort that he says will also benefit the physicians and their patients.

"I think the alumni are the best people in the world to act as a liaison between the medical school and the people of North Carolina. They can make people cognizant of what's going on here."

There's also a sense of duty involved, he said. If alumni don't become involved "then they shouldn't have a say about who comes out of the school and what it does." He added, "Right now, I think they're heard, by the dean and the Medical Alumni Association."

The AHEC (Area Health Education Center) and continuing education programs have also brought alumni closer to the school, he said. And more contact with its faculty members helps physicians keep up with medical advances. "We can find out sooner what's going on in medicine through this relationship instead of waiting to read about it."

The result is that physicians—and their patients—benefit.

"If alumni have been active in the medical school, they won't mind calling a faculty member about medical questions they may have. It's helpful especially in a small community to the care of patients. If there are not ties with the school, you feel somewhat at a loss."

For Thorp, staying in touch never has been a problem. The third member of his family to be MAA president and a specialist in obstetrics and gynecology, Thorp was named as the first MAA treasurer eight years after he graduated from the School of Medicine.

He's watched as MAA membership grew to include more than 2,500 medical school graduates today and



Dr. Thorp

an additional 2,000 faculty members and former house staff of North Carolina Memorial Hospital, groups also considered part of the alumni association.

As membership grew, so did participation, so that recent Loyalty Fund contributions have exceeded those of past years and April's alumni weekend drew the greatest number of participants in its history.

In addition, Thorp says the alumni are growing in influence and that their role is expanding.

The School of Medicine relies on alumni as friends not only financially but through their political support, Thorp said. While this ambassador role is best carried out by physicians as individuals, he said their voices are strong enough to communicate at the local and state level.

But to help, he said members must be active.

One way he hopes to increase support is by getting the alumni back to Chapel Hill. Beginning with a banquet for graduating seniors of the medical school, the MAA recognizes its future alumni as participating members.

He hopes that annual alumni weekends continue to offer programs which interest physicians of each specialty such as those this year held by clinical departments.

Outside Chapel Hill, he plans to re-establish MAA district meetings to bring together alumni from areas throughout the state.

As for long-range goals, Thorp plans to meet with medical school officials to learn what else can be done. And for next year's annual meeting, he'll have no trouble establishing a theme to attract members—the School of Medicine Centennial. □

1978 Commencement exercises



A total of 128 students were presented doctor of medicine (M.D.) degrees at the special convocation in Memorial Hall following the University's commencement exercises 7:30 p.m. Sunday, May 1. Christopher C. Fordham III, M.D., dean of the medical school, presided.

Honors and awards 1977-78

The Professor Award	John C. Parker, M.D. Professor of Medicine
The Medical Basic Science Teaching Award	F. G. Dalldorf, M.D. Professor of Pathology
The CCB Excellence in Teaching Award	J. Logan Irvin, Ph.D. Professor of Biochemistry
The Henry C. Fordham Award	Robert C. Hartmann, M.D. Resident in Medicine
The Outstanding Intern Award	Francis S. Collins, M.D. '77 1st Year Resident in Medicine
The Medical Faculty Award	Thomas Charles Shea '78
The Isaac Hall Manning Award	Forrest Ray Dolly '78
The James Bell Bullitt Award	Allen Greene Mask Jr. '78 Jeremy Alan McCreary '78
The Upjohn Award	Gregory Strayhorn '78
The Sandoz Award	Martha Louise Elks '78
The George C. Thrasher Jr. Award	Jeane Ann Kramer '78
The Mosby Book Senior Awards	Peter Alan Schlesinger '78 Robert Walter Surratt '78
The Lange Senior Awards	Michael Young Parker '78 Barry Hoyle Teasley '78
American Medical Women's Association Awards	Jane Cary Burns '78 Martha Louise Elks '78 Susan Downer Foreman '78 Jeane Ann Kramer '78 Susan Tripp Snider '78
David A. Mayberry Award	Gwendolyn Faye Todd '78
The Heusner Pupil Award	Natalie Lorraine Sanders '79
The Frank Lee Dameron Award	David Franklin Craig '79
The William deB. MacNider Award	Marcus Eugene Carr Jr. '80
Morehead Fellows, Class of '81	John Stewart Adams Stephanie Rae Bennett George David Zoret
Foreign Fellowship Awards	
Robert Merle Bersin '80	
Thomas Johnstone Campen '78	Gordon Edwin Melville '80
Barry Shelton Dicicco '79	Charles Barnet Nemeroff '81
Forrest Ray Dolly '78	James Gwyn Peden Jr. '79
Lawrence Hoskins Hooper Jr. '79	Herbert Wheatley Plimpton Jr. '79
Allen Greene Mask Jr. '78	Natalie Lorraine Sanders '79
Map Reader's Digest International Fellowship	Thomas C. Shea '78
Warwick Fellowships	Arlene Susan Bieman '80 William Latimer Lowe Jr. '80

Student awards

- The Student Research Day Awards
First Award Charles Barnet Nemeroff '81
"Neurotensin-induced hypothermia: Neuropharmacological studies"
Second Award Edward Hiltner Bertram III '80
"Effects of low level lead burdens on post-natal caudate nucleus development in the rat"
Third Award Marcus Eugene Carr Jr. '80
"Mass and volume of fibrin fibers from turbidity"

- The Student Research Program Awards
The Deborah C. Leary Award Edward Hiltner Bertram III '80
"Effects of low level lead burdens on post-natal caudate nucleus development in the rat"
Second Award Donald Campbell Whiteside '80
"The effects of splenectomy and autologous splenic reimplantation upon a *Streptococcus pneumoniae* challenge"
Third Award Charles Barnet Nemeroff '81
"Neurotensin-induced hypothermia: Neuropharmacological studies"

MERIT SCHOLARSHIP AWARDS

- The W. R. Berryhill Merit Scholarship Brian Jeffrey Cohen '78
The Riggins Merit Scholarship Douglas Kirk Ways '80

- Alumni Merit Scholarships
Martha Louise Elks '78 Robert Alan Scarr '79
Robert Walter Surratt '78 Petrie Morrison Rainey '80
Frances Russell Thomas '79 Jonathan Peter Tolins '80

- John and Marie Zimmelman Scholarship Anita Diane Sloan '79

ALPHA OMEGA ALPHA HONOR MEDICAL SOCIETY

Officers, 1977-78

Jeremy Alan McCreary, President
Thomas Charles Shea, Vice-President
Forrest Ray Dolly, Secretary

Class of 1978

- | | |
|-----------------------|--------------------------|
| John DeWitt Benson | William Ronald Moffitt |
| Jean Whitmore Carter | *Mark Donald Monson |
| Brian Jeffrey Cohen | John Bartholomew Pecorac |
| *John D. Davis Jr. | Peter Alan Schlesinger |
| Thomas Arthur Dillard | *Thomas Charles Shea |
| *Forrest Ray Dolly | *Susan Tripp Snider |
| Martha Louise Elks | Robert Walter Surratt |
| Susan Downer Foreman | Barry Hoyle Teasley |
| Jeanne Ann Kramer | *Michael Wayne Tilson |
| Daniel Lee Mattox | David Mitchell Warshauer |
| *Jeremy Alan McCreary | |

Class of 1979

- | | |
|-----------------------------|--------------------------|
| Andrew H. Balder | Darlyne Menscer |
| Andrew Haven Eddy Jr. | Natalie Lorraine Sanders |
| Allen Richard Edwards | Robert Alan Scarr |
| Robin Thad Goodwin | Frances Russell Thomas |
| Lawrence Hoskins Hooper Jr. | Claude Phillip Whitworth |
| James Emmett Lenz Jr. | |

*Elected Junior Year

Where they're going

Internship appointments Class of 1978

Richard L. Agress, University of Washington Affil. Hospitals, Seattle. **Thellie Ainsley Jr.**, William Shands Teaching Hospital, Gainesville, Fla.; **Michael C. Alston**, Medical Center Hospital, Columbus, Ga.; **Thomas R. Andrus Jr.**, Eugene Talmadge Memorial Hospital, Augusta, Ga.; **Janice E. Barron**, Presbyterian Hospital of Dallas, Dallas, Texas; **Edwin C. Bartlett**, Eugene Talmadge Memorial Hospital, Augusta, Ga.; **James J. Bedrick**, Schee Eye Institute, Philadelphia, Pa.; **William L. Bell**, Moses Cone Memorial Hospital, Greensboro; **John D. Benson**, University of Kentucky Medical Center, Lexington, Ky.; **Daniel J. Blake**, North Carolina Memorial Hospital, Chapel Hill.

Edward K. Bridges, North Carolina Memorial Hospital, Chapel Hill; **Eugenia Brooks**, Fayetteville Area Health Education Fdn., Fayetteville; **Jane C. Burns**, University of Colorado Medical Center, Denver, Col.; **Albert D. Cain**, Brooke Army Medical Center, Fort Sam Houston, Texas; **Thomas J. Campen**, University of Kentucky Medical Center, Lexington Ky.; **Jean W. Carter**, Medical Center Hospital of South Carolina, Charleston, S.C.; **Sheila J. Clark**, Letterman Army Medical Center, San Francisco, Calif.; **William G. Clark**, North Carolina Memorial Hospital, Chapel Hill; **Brian J. Cohen**, North Carolina Memorial Hospital, Chapel Hill; **Cynthia D. Conrad**, Yale-New Haven Medical Center, New Haven, Conn.

Paul W. Coughlin, Geroge Washington University Hospital, Washington, D.C.; **Gregory H. Crisp**, Tulane University Affiliated Hospitals, New Orleans, La.; **Mary B. Daly**, University of Texas Affiliated Hospitals, San Antonio, Texas; **John D. Davis Jr.**, Mountain Area Health Education Foundation, Asheville; **Joseph E. Deese**, University of Tennessee Memorial Res. Ctr., Knoxville, Tenn.; **Victor F. Dickens**, St. Elizabeths Hospital, Youngstown, Ohio; **George T. Di-**

Ferdinando Jr., North Carolina Memorial Hospital, Chapel Hill; **Thomas A. Dillard**, Walter Reed Army Medical Center, Washington, D.C.; **Forrest R. Dolly**, North Carolina Memorial Hospital, Chapel Hill; **Gregory L. Drake**, Walter Reed Army Medical Center, Washington, D.C.

Allison J. Dudley, Charlotte Memorial Hospital, Charlotte; **George S. Edwards Jr.**, University of San Antonio Teaching Hosps., San Antonio, Texas; **Martha L. Elks**, Johns Hopkins Hospital, Baltimore, Md.; **Edward P. Entmacher**, North Carolina Memorial Hospital, Chapel Hill; **Susan D. Foreman**, University Hospital, Jackson, Miss.; **William V. Fowler**, Mountain Area Health Education Foundation, Asheville; **Don J. Fowls**, Deferred Internship; **Elizabeth R. Gamble**, North Carolina Memorial Hospital, Chapel Hill; **John B. Gordon III**, University of Colorado Medical Center, Denver, Col.; **Sandra L. Gordon**, University of Connecticut Hospital, Farmington, Conn.

David L. Gore Jr., Eastern Virginia Graduate Medical School, Norfolk, Va.; **Uril C. Greene**, Malcolm Grow Medical Center, Andrews AFB, Washington, D.C.; **Betty J. Hall**, Medical Center Hospital of South Carolina, Charleston, S.C.; **Alfred L. Harkley**, University of Chicago Clinics, Chicago, Ill.; **James H. Hawkins Jr.**, Medical Center Hospital, Columbus, Ga.; **Seth V. Hetherington**, North Carolina Memorial Hospital, Chapel Hill; **Katherine A. High**, North Carolina Memorial Hospital, Chapel Hill; **Robert L. Hines**, University of Louisville Affil. Hosps., Louisville, Ky.; **Theodore F. Hoffman Jr.**, North Carolina Memorial Hospital, Chapel Hill; **Michael D. Holland**, Eastern Virginia Graduate Medical School, Norfolk, Va.

Cynthia R. Howard, University of Alabama Medical Center, Birmingham, Ala.; **Ronald E. Hughes**, Anderson Memorial Hospital, Anderson, S.C.; **Kathryn L. Johnson**, Charlotte Memorial Hospital, Charlotte; **Gregory L. Jones**, William Beaumont Army Medical Center, El Paso, Texas; **Jeane-Ann G. Kramer**, Hospital of the University of Pennsylvania, Philadelphia, Pa.; **Gary R. Krieger**, Mayo Graduate School of

Medicine, Rochester, Minn.; **Thomas E. Lauer**, North Carolina Baptist Hospital, Winston-Salem; **Dorothy M. Linster**, State University-Kings County Medical Ctr., Brooklyn, N.Y.; **Luisa A. Lorenzo**, University of Kentucky Medical Center, Lexington, Ky.; **Wade L. Lowry**, University Hospital of Arkansas, Little Rock, Ark.

Jeffrey A. Margolis, Baptist Memorial Hospital, Memphis, Tenn.; **Charles Marston Jr.**, Le Bonheur Childrens Hospital, Memphis, Tenn.; **Carol A. Martin**, Stanford University Medical Center, Stanford, Calif.; **Dennis K. Martin**, North Carolina Baptist Hospital, Winston-Salem; **Allen G. Mask Jr.**, Massachusetts General Hospital, Boston, Mass.; **Daniel L. Mattox**, North Carolina Memorial Hospital, Chapel Hill; **Marshall E. McCabe III**, Fitzsimmons Army Medical Center, Denver, Col.; **Jeremy A. McCreary**, University of California Hospitals, San Francisco, Calif.; **John T. McElveen Jr.**, University of Utah Affiliated Hospitals, Salt Lake City, Utah; **Charles S. McGaw**, Eastern Carolina University Affil. Hosp., Greenville.

Wayne F. McNett, Fairfax Hospital, Fairfax, Va.; **Lonnie W. Merrick**, Stanford University Medical Center, Stanford, Calif.; **William L. Miller**, Harrisburg Hospital, Harrisburg, Pa.; **William R. Moffitt**, Charlotte Memorial Hospital, Charlotte; **Alvah P. Monds**, Shands Teaching Hospital, Gainesville, Fla.; **Mark D. Monson**, University of Colorado Medical Center, Denver, Col.; **Peter J. Morris**, North Carolina Memorial Hospital, Chapel Hill; **Robert W. Newell**, Children's Hospital National Medical Center, Washington, D.C.; **Cassandra F. Newkirk**, Howard University School of Medicine, Washington, D.C.; **James E. Nicholson III**, Eastern Carolina University Affil. Hosp., Greenville.

David H. Ogburn, Eugene Talmadge Memorial Hospital, Augusta, Ga.; **Karen S. Ogle**, St. Josephs Hospital, Flint, Mich.; **Arthur G. Osburg**, Public Health Service Hospital, New Orleans, La.; **Michael Y. Parker**, Dartmouth Affiliated Hospitals, Hanover, N.H.; **Robert W. Patterson**, Charlotte Memorial Hospital, Charlotte; **John B. Pecorak**,

North Carolina Memorial Hospital, Chapel Hill; **William E. Perry**, Memorial Hospital, Scottsdale, Ariz.; **Thomas L. Pope Jr.**, University of Virginia Hospital, Charlottesville, Va.; **David C. Powell**, University of Kentucky Medical Center, Lexington, Ky.; **Donna L. Prather**, Charlotte Memorial Hospital, Charlotte.

Harvey C. Price, North Carolina Memorial Hospital, Chapel Hill; **John Van B. Pruitt III**, Tufts University Affiliated Hospitals, Boston, Mass.; **John R. Rastall**, St. Vincents Hospital, Worcester, Mass.; **Jon M. Regis**, Hahnemann Medical College Hospital, Philadelphia, Pa.; **Richard L. Rumley**, University Hospital, Jackson, Miss.; **Howard L. Russell**, Worcester City Hospital, Worcester, Mass.; **Peter A. Schlesinger**, Hennepin County General Hospital, Minneapolis, Minn.; **Deborah A. Scott**, Charlotte Memorial Hospital, Charlotte; **Dianne L. Scott**, North Carolina Memorial Hospital, Chapel Hill; **Stuart C. Segerman**, Grady Memorial Hospital,

Atlanta, Ga.

Daniel A. Shapiro, Moses Cone Memorial Hospital, Greensboro; **Thomas C. Shea**, Internship Deferred; **Ronnie D. Smith**, North Carolina Memorial Hospital, Chapel Hill; **Susan T. Snider**, Mountain Area Health Education Foundation, Asheville; **William D. Snider**, Internship Deferred; **Alan D. Stiles**, North Carolina Memorial Hospital, Chapel Hill; **G. Strayhorn**, University of Iowa Hospital, Iowa City, Iowa; **Robert W. Surrat**, Medical Center Hospital of South Carolina, Charleston, S.C.; **Nancy L. Teaff**, Edward S. Sparrow Hospital, Lansing, Mich.; **Barry H. Teasley**, North Carolina Memorial Hospital, Chapel Hill.

Michael H. Thomason, Charlotte Memorial Hospital, Charlotte; **Michael W. Tilson**, North Carolina Memorial Hospital, Chapel Hill; **Charles F. Timmons Jr.**, Internship Deferred; **Gwendolyn F. Todd**, Grady Memorial Hospital, Atlanta, Ga.; **John C. Trotter**,

Moses Cone Memorial Hospital, Greensboro; **Gregory H. Tuttle**, Columbia Richland County Hospital, Columbia, S.C.; **Donna S. Wagner**, Boston City Hospital, Boston, Mass.; **William A. Walker**, University of Michigan Affil. Hospitals, Ann Arbor, Mich.; **Ralph L. Wall Jr.**, Rutgers Affiliated Hospital, Piscataway, N.J.; **Julius B. Walthall Jr.**, St. Josephs Hospital, Flint, Mich.

David M. Warshauer, Internship Deferred; **James S. Wells Jr.**, Duke University Medical Center, Durham; **John P. Williams**, University of Arizona Affil. Ed. Program, Tucson, Ariz.; **Kenny F. Williard**, University of Utah Affiliated Hospitals, Salt Lake City, Utah; **Larry A. Wilson**, Franklin Square Hospital, Baltimore, Md.; **Edward L. Woods**, St. Elizabeth Hospital, Youngstown, Ohio; **Richard C. Worf**, North Carolina Baptist Hospital, Winston-Salem; **Jesse G. Yarborough Jr.**, North Carolina Memorial Hospital, Chapel Hill. □



Deaths

Frank McLean, '09, Oakland, Maine
John C. Wiggins Sr., '07, Winston-Salem
Charles W. McPherson, '08, Burlington
Landis G. Brown, '31, Southport
Angus M. McDonald, '26, Charlotte
Dwight M. Currie, '29, Baltimore, Md.
Robert L. Bobbitt, '12-43, Zion, Ill.
Robert E. Lewis Jr., '3-43, N. Wilkesboro

Class notes

'16

The department of radiology at the University of Pennsylvania School of Medicine has honored EUGENE P. PENDERGRASS, '16, by establishing an endowed professorship in his name, funded by the Pennsylvania School of Medicine. The announcement of the professorship came last year when Pendergrass was awarded an honorary Doctor of Humane Letters by the university.

20's

E. EUGENE COVINGTON, '25, retired in 1972 as a radiation therapist at the Memorial-Sloan-Kettering Cancer Center in New York City and moved to Hallandale, Fla., where he has accepted a position as a radiation therapist at the Miami V.A. Hospital. Covington is also an associate professor of radiation therapy at the University of Miami Medical School. He has published 20 papers, all dealing with radiation therapy and nuclear medicine.

30's

GLENN S. DICKSON, '33, has retired as the gynecological consultant to Philadelphia's department of public health and now maintains a limited private practice. Upon retirement, Dickson received a letter of congratulations and thanks for his years of service from Frank Rizzo, mayor of Philadelphia.

HUBERT C. PATTERSON, '35, of Chapel Hill, is recovering after a stroke and subsequent surgery last summer. For the past few months, Patterson has been interviewing prospective surgical interns.

MAX M. NOVICH, '39, of Perth Amboy, N.J., is now director of sports medicine at the College of Medicine and Dentistry of New Jersey. He also serves on a research panel for Medical World News, which deals with general medical issues.

40's

LITTLETON J. BUNCH, '45, of Alamoso, Colo., has a family practice in this rural Colorado setting. Bunch writes that Alamoso has a population of 7,500 people and is 7,500 feet high in the Rockies.

When the class of 1946 gathered for its 30th year reunion, only four of the 41 members came. But to ROGER WINBORNE, of Roanoke, Va., the attendance was 400 percent better than at the last one. He was the only one at the 25th year reunion.

Those who joined Winborne at the Carolina Inn were DEXTER T. WORTHERINGTON, of Kinston, E. JOHN WEYHER, of Goldsboro and WILLIAM G. SANFORD, of Winston-Salem.

Winborne reports that the classmates and their wives spent the evening sharing experiences of the past 30 years and their contacts with other class members.

He writes, "Bonds that were fashioned in that close knit group of students and faculty that was the two-year school of

1944-46 were made to last."

JULIUS A. MACKIE JR., '48, is professor of surgery at the University of Pennsylvania.

LEWIS E. JONES, '45, was recently promoted to assistant dean for professional services at the Atlanta Veterans Administration Hospital. Jones remains active as the hospital's chief of staff and is a faculty member of the Emory University School of Medicine. Last April, he was promoted to brigadier general in the Air Force Reserve. He was in Chapel Hill for an October football weekend with his wife, Peggy. Jones writes, "Chapel Hill was beautiful and fulfilling as usual."

50's

C. O. PLYLER, '51, has been named director of the family practice residency program at St. Vincent's Medical Center in Jacksonville, Fla. Plyler also serves as an associate professor of family medicine and community health at the University of Florida's Medical College.

STEWART L. MOORING, '55, of Rutherford and JULIUS A. GREEN, '57, of Raleigh, were named Fellows of the American College of Radiology last year. The College is a professional medical society representing about 12,000 radiologists. Mooring is affiliated with Rutherford Hospital and Green with Wake Medical Center.

GEORGE P. VENNART, HS, '56, has been named chairman of the pathology department at the Medical College of Virginia School of Medicine at Richmond. Vennart, chairman of the American Soci-

ety of Clinical Pathologists Congressional Fellowship Committee, is the president of the Virginia Society for Pathology. He holds memberships and consultant positions in several government and professional societies and has authored numerous articles for scientific publications.

GEORGE T. WOLFF, HS, '53, has become the director of the Family Practice Residency Program at the Moses Cone Memorial Hospital in Greensboro. An associate professor of family medicine at the School of Medicine, Wolff recently completed a three-year term on the board of directors of the American Academy of Family Physicians which he now serves as vice president. He and his wife Betty have four children: Diane, a travel agent in Greensboro; Deborah, an X-Ray technician at N.C. Memorial Hospital; Denis, a senior at UNC-CH and Tim, a senior at the University of the South.

LESLIE S. MASSAD, HS, '59, of Syracuse, N.Y., finished his residency at Duke University in 1964 and now practices obstetrics and gynecology. Massad has four children, ages 19, 16, 15 and 11. The oldest, a son, is a sophomore at Williams College in Williamstown, Mass.

BARBARA M. JORDAN, '54, works at the Southeastern Regional Mental Health Center in Lumberton. A former assistant superintendent of Dorothea Dix Hospital, she is married to a retired air force officer who practices psychology at the Lumberton Mental Health Center. They have four children. Jordan writes that she "enjoys the peace and friendship of a small town," and that being near Myrtle Beach adds to its appeal.

EDWARD L. MITCHELL, '59, was elected executive vice-president for administration and medical director of Commonwealth Life Insurance Company. Mitchell, who lives in Kentucky, writes that he has "caught a lot of flak about the tarheel football team" from Wildcat fans.



Class of '28



Class of '43

60's

HUGH W. RIDLEHUBER, HS, '64, is practicing psychotherapy for children, adolescents and adults out of a 1906 vintage townhouse in San Mateo, Calif. He and his wife Pamela have three children: Hal, who will graduate from high school in June and plans to attend California State University at Chico, two-year-old Amy and their youngest, David, who was born January 23. They are planning a big family vacation with grandparents this spring in Hawaii.

ROBERT L. SMITH, HS, '64, of Mount Airy, has been elected chief of the medical staff at Northern Surry Hospital. He and his wife Sandy have two children.



Class of '48



Class of '58



Class of '63



Class of '68

H. MICHAEL BRUTON, '61, has been named chairman of the North Carolina state board of education. Bruton, a pediatrician, has served as vice-chairman of Moore county's board of education and has lobbied in Raleigh for the state medical society. Bruton advocates two new programs in the state: a reading program for children and competency tests for high school seniors.

J. MICHAEL MORTON, '67, of Kent, Wash., is practicing pediatrics with an 18-man multispecialty group. He and his wife Betty, have three children: Tami, Molly and Jessica. They also keep an assortment of animals. Morton likes to jog and play handball.

C. ALLAN EURE, '67, says he enjoys being in a Raleigh private group practice with colleague GERALD BLAKE, '67, who joined the group a year ago.

JEFFERIES A. MACFIE, '64, practices general surgery with Carolina Surgical Associates in Greenville, S.C. He is an assistant professor of surgery at the Medical University of South Carolina, Greenville extension. Macfie and his wife Betty have two children, Ashley, 10, and Jeff, 1.

GERALD W. BLAKE, '67, has a private practice in Raleigh with three partners and participates in a teaching program at Wake Medical Center. Blake and his wife have two children.

DAVID R. WILLIAMS, '63, of Thomasville, is serving a three-year term as chairman of the North Carolina Chapter of the American Academy of Pediatrics and the North Carolina Pediatric Society. W. KEITH THOMPSON, CHARLES GILLIAM, and BOB STEPP joined Williams in pediatric practice in January.

J. BENJAMIN HAMMETT, '65, was elected to the North Pacific Society of Internal Medicine. Hammett has been practicing internal medicine and gastroenterology in Yakima, Wash., about three years. He writes that his wife Kathy is a nurse and helps part-time in the office. Hammett notes, "Our family enjoys the Northwest with its great skiing, fishing and hunting."

G. WILLIAM BATES, '65, is completing a research fellowship in reproductive endocrinology at the University of Texas in Dallas. July 1, he will become director of reproductive endocrinology at the University of Mississippi Medical School. Bates says he and wife, Susanne, have two sons and "all have become real Texans, but look forward to returning to the South."

JAMES G. MANN, '60, of Golden, Colo., is in a gastroenterology group practice. He works primarily in the St. Anthony and Beth Israel hospitals in Denver.

RUTH HARRELL CAPP, HS, '61, of Tucson, Ariz., reports that after dropping out as a resident in 1961 to raise a family,

she is once again a resident in psychiatry at the Arizona Health Services Center in Tucson. Her husband, M. Paul Capp, a medical school alumnus, is chairman of the radiology department. Ruth and Paul have four children ages 18, 17, 15 and 12. Ruth writes, "I am working hard, am really happy to be working in psychiatry again and am grateful for my former training at UNC."

WILLIAM P. GLEZEN, HS, '62, of Houston, Texas, was promoted to professor of microbiology and pediatrics at the Baylor College of Medicine.

JAMES L. WILLIAMS, '64, is practicing orthopaedic surgery in Spokane, Wash.

CHARLES H. DART, HS, '65, of Oxnard, Calif., is practicing cardiovascular surgery in the Oxnard-Ventura area.

DANIEL P. STITIES, HS, '67, is assistant professor of medicine and laboratory medicine at the University of California at San Francisco where he is the director of the Clinical Immunology Laboratory. He recently co-authored a textbook entitled "Basic and Clinical Immunology."

DAVID C. HEFELFINGER, '65, left his Pensacola, Fla., practice in 1973 to accept an academic appointment at the University of Alabama, Tuscaloosa. Hefelfinger is now associate professor of pediatrics and chairman of the department. He received the outstanding teaching faculty award in the College of Community Health Services in May, 1977.

WILLIAM DEAL, '63, acting dean of the University of Florida College of Medicine since April, 1977, has been appointed to the highest administrative post at the UF Health Center. Deal fills the dual role of vice president for health affairs and dean of the College of Medicine.



Dr. Deal

The wife of **DAVID A. EVANS, '67,** of Monroe was killed March in a car-train accident there. She was **LONA BATTEN EVANS,** a 1968 graduate of the School of Nursing. Besides her husband, she is survived by children Alisa, 8; Elizabeth, 6 and Walter David, 2. Memorials may be sent to the First Baptist Church of Monroe or a favorite charity.

FRANK W. LEAK, '67, of Clinton, is in family practice and says he has several Bowman-Gray family practice residents passing through his clinic. Leak also teaches in the Fayetteville AHEC family practice program.

WILLIAM D. KERR, HS, '65, finished his endocrinology fellowship at the University of Miami and joined the attending staff of Evanston Hospital in Evanston, Ill. The hospital serves the northern suburbs of Chicago and is a member of the teaching program of the Northwestern University Medical School. Kerr is in the private practices of endocrinology and internal medicine and is associated in the Medical Group of Evanston. He and his wife, Susie, have five children.

70's

WILLIAM C. TATE, '72, of Banner Elk, has entered practice with his father, Lawson Tate, after completing a residency in general surgery at the Medical College of Georgia. Tate writes that the arrangement is temporary, dependent on his deferment from the Army which ends July 1, 1978. "I still owe the Army two years," he reports. His wife, Olivia, is a registered nurse and works at the Cannon Memorial Hospital. They have two children, Melissa, 6, who is in the first grade and Angela, 2, who is in kindergarten.

DAVID H. HOPPER, '76, is in his second year of residency in family practice at Moses Cone Hospital in Greensboro. Last year he married UNC-CH graduate Liza Watters, a former nurse at N.C. Memorial Hospital.

WILLIAM M. BUTLER, '73, recently returned to active duty in the Navy and is stationed in the family practice clinic in Orlando, Fla. He writes, "Gracie and the kids, Cayce and Alice, are doing fine. We love the weather down here and Disney World is truly marvelous."

JUDITH E. LIPTON, '75, completed her residency in psychiatry in May. She married a University of Washington associate professor of psychology and zoology last year, David Barash. Lipton said she and her husband are on leave at Stanford University and will return to Seattle in July.

CLIFTON PATTERSON III, '74, is an ear, nose and throat resident at the Massachusetts Eye and Ear Infirmary.

C. NORMAN HURWITZ, '74, served as chief resident in pathology at the University of Iowa Hospital this year. In July, Hurwitz will join St. Elizabeth's Hospital pathology staff in Covington, Ky.

JOSEPH R. HASKETT JR., '76, is a second-year resident of Internal Medicine at Fitzsimons Army Hospital. Haskett says he is enjoying Colorado with his wife and children.

WILLIAM E. BOWMAN, '74, and his wife Gay have a 5-month-old daughter named Natalie. Bowman is a third-year resident in general surgery at Letterman Army Medical Center in San Francisco.

G. DEAN WILSON, '72, will serve as chief of neurology at Womack Army hospital at Ft. Bragg until June, when he and his family will move to Johnson City, Tenn. to begin private practice with two neurosurgeons. He will also be on staff at the new medical school at East Tennessee State. Wilson writes that he is looking forward to alumni visitors. "We'll only be 45 minutes from skiing at Beech and Sugar Mountains," he said.

JOSEPH MAJSTORAVICH JR., '74, of Pittsburgh, plans to move to Morehead City in July to set up private practice in ophthalmology. His wife, Judy, and their two daughters will accompany him.

JERRY C. BERNSTEIN, '70, is a new father. His wife, Peggy, gave birth to a baby girl in December. Bernstein writes that his partners, **WILLIAM C. HUBBARD, '68,** **WALLY BROWN, HS, '70,** and he are building an office to be completed in July when **TOM IRONS, '72,** will join them.

MICHAEL N. BROTHERS, '74, is beginning his chief residency year in general surgery at St. Joseph's Hospital in Denver, then will begin two additional years of cardiovascular and thoracic training beginning in 1979. Brothers' long term interest is remaining in private practice in the West.

HOWARD S. SCHUB, '76, is a pediatric resident in his second year at Strong Memorial Hospital. His plans for the future are uncertain, he says, but writes that his wife Susan graduated from UNC's law school in 1976 and is now a law clerk for a New York state supreme court justice in Rochester.

GARY M. E. HENSCHEN, '75, completes service in the Army in December. Henschen, who speaks fluent German,

conducted a tour of Army facilities for some German doctors. The Henschens say they like Germany but are looking forward to returning home.

J. ALLEN MILLER, HS, '75, is assistant professor of psychiatry and head of the training program of child psychiatry for pediatric residents at the University of California (Davis) Sacramento Medical Center.

STEPHEN M. DORMAN, '75, finished his residency in anesthesiology at the Naval Hospital in Oakland, Calif., and has been appointed assistant chief of anesthesiology at the Naval Regional Medical Center in Newport, R.I.

M. LEE KIRSCH, '75, of Brookline, Mass., is a senior resident in surgery at the Harvard Surgical Services in Boston. Next year Kirsch will be a resident in plastic surgery at the University of Miami. He recently saw CHUCK FOGLEMAN, '75, who is a flight surgeon on an aircraft carrier in Japan.

WARWICH AIKEN, '76, of Temple Terrace, Fla., says he and his wife, Janet, are doing well in their second year of residencies at the University of South Florida, Tampa. They plan to return to western North Carolina and practice general internal medicine.

LINDA M. ROBINSON, '76, of Asheville, is in her second year of family practice. Last year she traveled with the Delegation for Friendship Among Women to the People's Republic of China where she viewed its society and the practice of medicine in modern China.

MICHAEL E. KING, '77, is a surgery intern at North Carolina Baptist Hospital in Winston-Salem where he will begin an orthopaedic residency this summer. King and his wife Susan have one child, Mary Kathryn, born last October.

G. DEAN WILSON, '72, has left the Army and is now practicing neurology in Johnson City, Tenn., at the Appalachian Neuroscience Clinic. Wilson will also

serve on the staff of the new medical school at East Tennessee State University. Wilson and his wife Janine have two children, Ashley, 7, and Ryan, 3.

HARRY L. SAUERS, HS, '70, is practicing psychiatry in Clearwater, Fla. He and his wife Judy have two children, Teresa and Harry.

Foreign notes

The following are reports based on letters to the *Bulletin* from alumni who now live abroad:

Since leaving Chapel Hill, FRANZ W. ROSA, '46, has spent much of his time working overseas for various agencies. He has worked in Saudi Arabia for University Associates, in Turkey for Johns Hopkins, in Morocco for the World Bank and has served as director of the School of Public Health at the American University of Beirut. Rosa has also served as director of the Public Health Training Center in Gondar, Ethiopia and has held various assignments in Switzerland, Vietnam, Thailand, New Guinea and the Philippines.

Presently he works in Washington, D.C., as chief of medical operations for the Peace Corps. His office is responsible for the care of the more

Presbyterian Medical Center, Korea



than 6,000 volunteers located in several thousand villages in tropical areas.

Because fewer physicians are being used in volunteer health care, the Peace Corps utilizes local medical resources, using trained nurse practitioners and orienting volunteers in self-help care.

Self-help care management pays off, he says, because "well-oriented volunteers often contribute to the health care of the communities where they work."

With these new trends, the Peace Corps reported only one death in 1977, the lowest death rate in its history. In spite of their tropical locations, Rosa says few deaths or disabilities occur from infection. Thousands of cases of parasitic intestinal infections and hepatitis have been treated without a single fatality.

"As in other educated populations," he said, "psychiatric illness is the leading cause of disability, even though much of this is screened out. Orthopaedic problems are second."

Ninety percent of Peace Corps volunteers are young adults. Most of the remainder are over the age of 50. Thus, Rosa's office is also responsible for over 60 offspring of the volunteers.

After his residency in orthopaedic surgery at North Carolina Memorial Hospital, JOHN SHAW and his wife Sharon, an occupational therapist, became medical missionaries assigned to the Presbyterian Medical Center in Jeonju, Korea, in 1972. Known as the "Jesus Hospital," PMC is a training center for Christian doctors and nurses and provides services to more than 100,000 persons a year.

There Shaw helped develop the training facilities of the department of orthopaedic surgery, now a residency program in its second year. The department is one of the busiest in the hospital, he says, and deals with the problems of tuberculosis, osteomyelitis, polio and traffic accidents.

Korea has few established centers for comprehensive orthopaedic rehabilitation even though crippled persons are not easily accepted into society, Shaw helped develop the rehabilitation services of the hospital



Family planning seminar is held in Davao City through the efforts of Dr. Rosa and the Peace Corps.



Dr. Shaw prepares to operate at a Korean hospital.



Dr. Rosa



Nurse practitioners are trained through the Peace Corps.



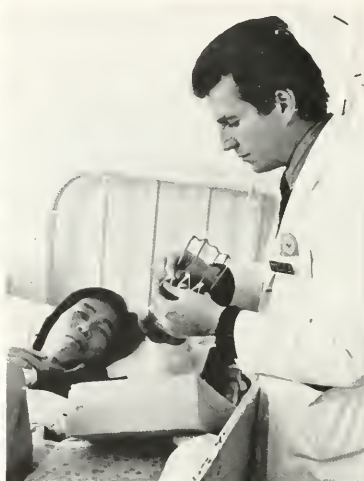
Shaw, chief of rehabilitation medicine at Presbyterian Medical Center, treats one of his many patients there.



Dr. Solano poses at his clinic in Rio de Janeiro.

and is now the chief of rehabilitation medicine.

He also helped establish regional crippled children's clinics in the southern half of the country, a program which provides rehabilitation to children without interrupting their school work. Shaw uses a team approach in these clinics which includes himself, a brace maker, a physical therapist and a social service worker.



A missionary in Korea since he left N.C. Memorial Hospital, Shaw aids patients such as the one pictured above to help regain the use of their limbs.

One of the clinics is on Cheju Island where there are an estimated 2,000 crippled children.

Shaw writes that almost half of the Korean population is under 18 years of age and the need for rehabilitation of crippled children is great.

"The years of residency at the

University of North Carolina were good preparatory years for the work ahead at PMC," Shaw said. "I'm grateful for the inspiring teaching which instilled me with the standards so necessary to apply in developing the orthopaedic training program."

CARLOS SOLANO, HS, '62, originally from Peru, studied medicine at the Federal University of Rio de Janeiro, Brazil, before coming to study at the University of North Carolina. He now practices surgery in Rio de Janeiro.

He writes, "My schedule is a busy one, as 20 hours a week I spend at the surgical department of the School of Medicine of Rio de Janeiro where I am an assistant professor. Afternoons I devote to my private practice, handling mostly surgical gastroenterology cases."

Solano is also one of the administrative and technical chiefs of the emergency room of the state hospital, Miguel Couto, and is on call 24 hours a day.

To keep up with developments in his field, Solano says he subscribes to several medical journals and comes to the United States for medical conferences and extra training. He received training in upper G.I. Endoscopy at the medical school in 1976.

"My wife Mariza and I have four children, two boys and two girls," he writes, "and we live in the beautiful city of Rio de Janeiro." His children are Fernando, 12, Roberto, 10, Luciana, 5, and Claudia, 1.

SHELDON HEATH completed residency in psychiatry at North Carolina Memorial Hospital in 1960 and is now practicing psychoanalysis in Toronto. In addition to his practice, he is president of Sheldon Heath and Associates, a management consulting firm, and is the social science consultant on staff at the Rosehill Institute of Human Relations. Heath also serves on the faculties of the Canadian Institute of Psychoanalysis and of the Child Psychiatry Program of the Ontario Group Psychotherapy Training Program. □



Calendar

July

10-13

North Carolina Lung Association
1978 Blue Ridge Institute

31-Aug. 4 Fifth Annual Myrtle Beach Workshop

September

29-30

Ocutome Workshop, Berryhill Hall

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of Pathology
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Medical Alumni Bulletin

VOLUME 24

FALL 1978

SCHOOL OF MEDICINE

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

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- A physician who offers more, p. 4
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Medical Alumni Bulletin

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Behind the lines

It's been a busy period at the School of Medicine, much of which is reflected in these pages. Though this issue marks a return to our regular size, the variety of items from throughout the medical center provides informative reading.

Beginning with this issue is a column by *Dr. William B. Wood, '56*, recently-named director of the Office of Continuing Education and Alumni Affairs. He'll speak to alumni through the column to better inform you about alumni and educational programs. Also included is a reminder that the year's Loyalty Fund drive is at hand, in time to think about end-of-the-year giving to the medical school.

Students here knew him well in the late 60s and early 70s for his campus movement to educate them about human sexuality. We visited with *Dr. Takey Crist, '65, HS '69* recently at his clinic in Jacksonville where he talked about what's happened to his message since then.

Medical schools in Australia are explored in a piece by *Dr. Joseph A. Buckwalter*, a surgeon here who served as visiting professor in the surgery department of Royal Melbourne Hospital. He lends an insight into the advantages of medical education, there and here.

Finally, it should be noted that *Karen C. Bachmann* is assuming the editorship of the *Bulletin*, commencing with this issue. Ms. Bachmann, a 1973 UNC-CH journalism graduate who joined the Medical Center Public Affairs staff in June, 1977, has served as managing editor of the publication since that time. Her elevation to the editor's chair is a fitting recognition of her journalistic talents and, happily, frees more of my time for involvement in other medical center advancement activities. As executive editor, I'll write occasionally in this space, and contribute to management as appropriate.

—JWS

Who's applying to medical school?

It's no secret that a tough college pre-med requirement has shattered the dreams of many students who planned on a medical career. But that doesn't explain a 10-to-13 percent drop in applications reported nationally by medical schools this year.

In spite of this fact, more than 2,000 students vied for the 160 spaces available at the School of Medicine in 1978, the highest number ever. Such a record makes it hard to see the bad news within the good.

Although out-of-state applications rose to an all-time high, in-state applications, which account for 90 percent of the School's admissions, dropped from 644 to 559.

There could be many causes for the decline both on the national scale and here, speculates Dr. William E. Bakewell Jr., professor of psychiatry and associate dean for admissions at the School of Medicine.

One way to understand why applications are decreasing is to look at why they increased in past years. For one, the baby boom brought in great numbers of applicants only several years ago, Bakewell says. Medical students today have aged

out of that era. In addition, "At the turn of the decade, minorities and women really began applying. They decided it was possible to get in, whereas before, most thought they were excluded from serious consideration."

Today's students seem to shy away from the intense competition identified in the past, an indication of changing social attitudes.

Says Bakewell: "Some applicants say they find very little unpleasantness connected with competition or say they are unaware of it," while others "may not be willing to sacrifice other interests. 'I want to be something besides a medicine machine' may have become a common attitude. They may think the demands of a medical career would conflict with their personhood."

Too, rising costs, inflation and news of tighter loan policies could be keeping some potential applicants away. This factor may have especially serious implications for minorities, Bakewell says.

The medical school experienced a distressing drop in in-state black applicants this year when only 53 applied, down from 72 in each of the two previous years. Such a trend

will be cause for concern, he says, "if it continues."

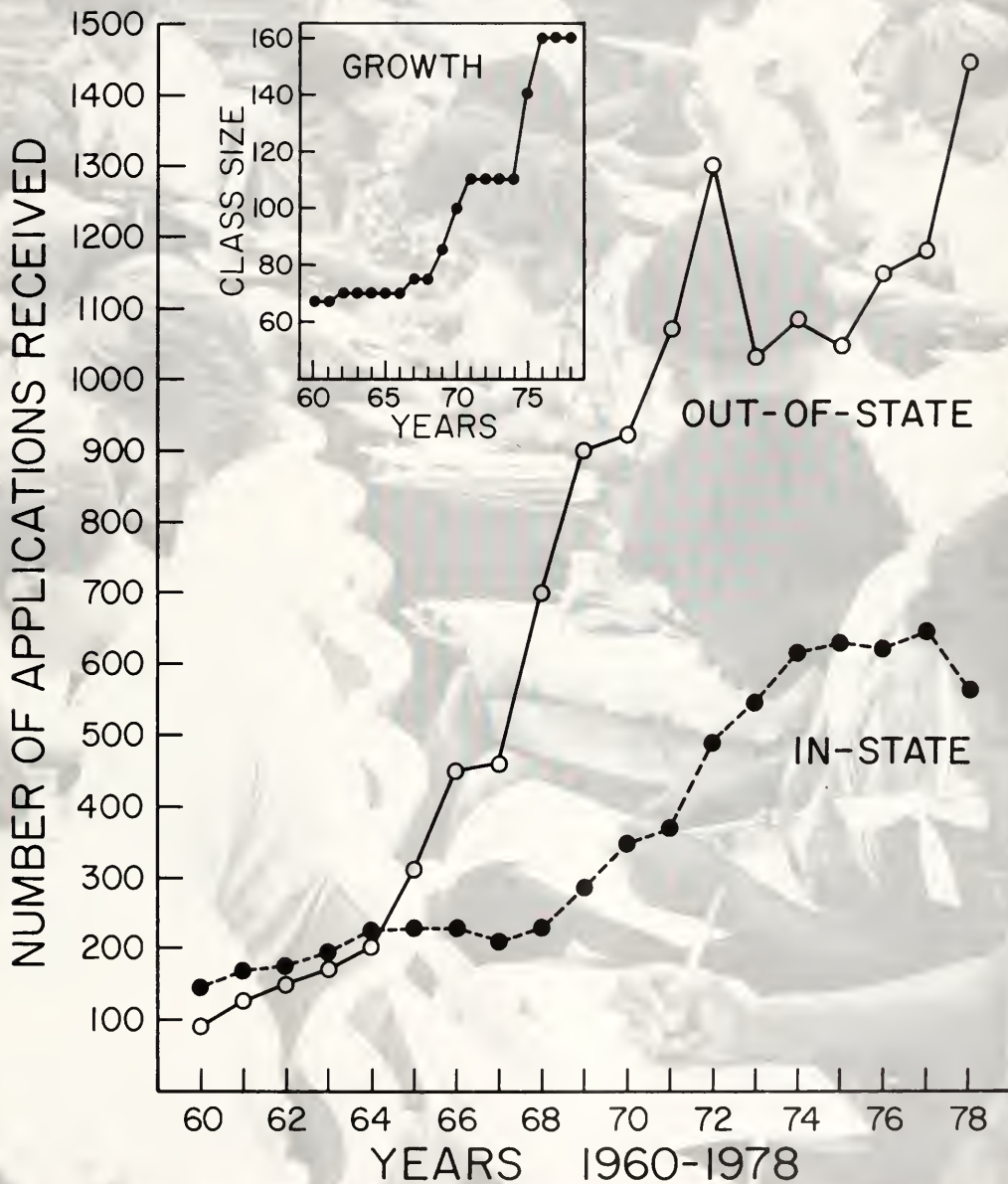
In contrast to this pattern are out-of-state applications which continue to rise here. "This probably reflects the School's growing national reputation," Bakewell says.

It may also reflect cost. Despite a higher tuition charge for non-residents, such students pay about \$2,600 annually for tuition and fees. That's comparatively low when compared with costs that can run as high as \$12,500 a year elsewhere.

These applicants may also prefer the atmosphere here, he says. Disenchanted with big cities, non-residents may apply because "Chapel Hill is one of the few nice towns with a first-class medical school."

Whatever the trend, Bakewell says it is unlikely that the decline in the number of applicants will have a detrimental effect on the quality of physicians who graduate from medical school.

"The truth is, we still must turn away qualified people," a situation that places the medical school in a position where "it can hardly go wrong." □



Crist takes his message home

Remember the 1960s?

It was a time of social revolution and attitude change. Issues of morality became fiery topics and sexuality surfaced. Students on college campuses were outspoken. Young and impressionable, they were ready for someone who would make an impact.

On UNC's Chapel Hill campus, someone would help make that impact.

For Dr. Takey Crist, '65, HS '69, it began with a young woman who had an illegal abortion. It cost her weeks in the hospital, an \$8,500 bill and her chances for motherhood. Crist was appalled.

"So I began talking on college campuses," he said. He talked about human sexuality, about responsibility in relationships, about birth control and about choices.

Soon there was "Elephants and Butterflies," a regular column in the campus newspaper, *The Daily Tar Heel*, in which Crist answered questions about human sexuality. Then he developed Health Education 33, a night course that was soon packed-to-the-limit. Crist became popular on campus.

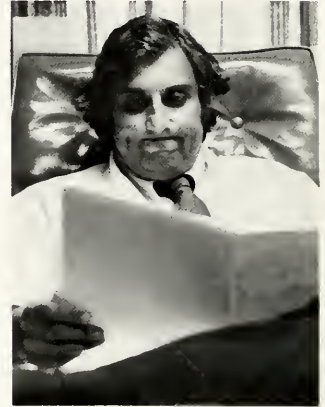
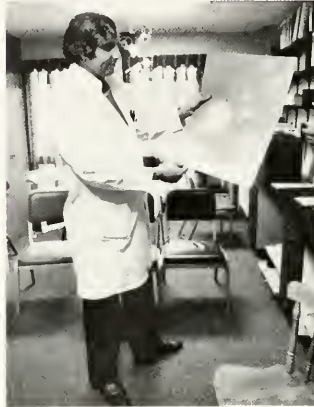
"I would come home and there'd be a couple in the car, another in the kitchen, a third in the living room and another on the back porch," said Crist, then assistant professor of obstetrics and gynecology at the School of Medicine. He gave them information.

Despite criticism then levied at him about abortion, birth control and other choices, he says the changes were having a positive effect. Here on other campuses, there was a new attitude toward sexuality.

"But I felt that I had done all I could for college students at that time," he remembers.

So, after a brief stint as deputy director of the National Center for Family Planning in Rockville, Md., Crist headed home, to Jacksonville, N.C.

Ever flamboyant, gregarious and getting his point across, Crist, now clinical assistant professor of obstet-



rics and gynecology, is still making choices available to women.

But times have changed, and he is offering a broader spectrum of health care, focusing on prevention and education as well as emergency needs.

"We think we have a unique story to tell here," he says. His office staff of two physicians, a marriage and sex counselor, nurses and counselors offer care that spills back and forth from physical to mental health: what he calls a total concept of health care.

That concept is communicated throughout the spacious and colorful clinic, designed so that patients and visitors will absorb both the subliminal and direct messages about birth control and health.

There are posters, pamphlets, mobiles, sculpture, video tapes and a library.

Perhaps the most striking message a stranger notices is the number of men in this women's clinic, an indication of the changing attitudes Crist

helps his patients and their families explore in an effort to improve their health, and their lives.

Straight-talk with his patients may uncover the reason a husband complains about his wife's attitude toward sex. Says Crist: "She has three kids under the age of 4 and while he has money to go to the movies, there's no money for a babysitter, so she stays home. His work stops at 5, but hers goes all day long. No wonder she's tired."

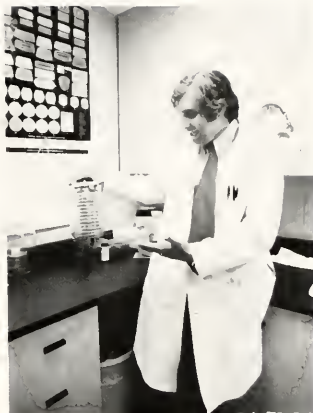
"You can spend \$150 a year on your car for a tune-up, so why not your marriage?"

Such counseling can work both ways. He says: "This is the generation of the sexually-liberated woman. They expect to be treated with respect, involved in their own health care and understood for their attitudes. It's causing changes.

"She's demanding the sexual satisfaction and he's got the headache."

His office operates under an "open-door policy" where teenagers





are free to use his library and educational materials. They come out of curiosity, to do research for school papers, and for reasons they don't tell their parents.

Teenagers, Crist admits, remain an unsolved challenge.

"It's normal for teenagers to have desires," he says. "The question is, how to get them to understand the responsibility that goes along with the desire for sexual freedom.

"I have been accused by parents and educators that I'm passing out OKs for sex. They say, 'I am offended by the fact that you say kids should go out and have intercourse.' But I never said that.

"I said, 'Be careful.' There are 11 million sexually-active teenagers, and one million get pregnant each year."

Records show that 41 percent of his cases of venereal disease are teenagers. The average age is 17, the youngest, 12.

"Why? We let kids eat junk, talk

junk, see junk, shoot junk and then go crazy when they turn out to be junkies. No one wants to take responsibility for teaching them.

"There's TV, movies, hair creme, denture creme, chewing gum and they all have a sexual message, but what we don't have are parents who want to talk about it.

"We are not passing out pills like tickets to a sporting event here. Every girl who comes in saying she's thinking of becoming sexually active may not be asking for birth control. If we don't take the time to figure that out and just hand out pills, we've done more harm than good. So we ask."

In fact, Crist admits his own attitudes differ little from those of the public. "I'm still affected by social mores," he says. "I'm normal. But I'm not a priest and the choice is theirs. Which is worse, birth control information to a minor or the result of an illegal abortion at 3 a.m. in the hospital emergency room?"

It was his answer to questions like this that made Crist's first year in Jacksonville difficult. Some people in the community questioned his attitudes. Today, Crist says physicians are copying his methods and are encouraging such health education efforts as he provides for the community.

In 1975, he received an award from the Onslow County Jaycees in appreciation of his work against venereal disease in teenagers. In 1977, they voted him "Outstanding Community Man of the Year."

When Onslow County needed a physician to back a nurse practitioner for a rural health center, Crist offered his services until another physician could be found. He recently received a federal grant to help battered women in the community.

Still, his powerful beliefs and desire to get things done make him somewhat of a pioneer.

Crist believes in using the press and television as tools to communicate. "I use the media a lot because people watch the media a lot." On advertising, he says: "What's wrong with that? Patients have the right to know where is the best care for the least price."

It's also helped educate people, he says. "The media has let women know there is unnecessary surgery being done, and that you should have your breasts-examined. The things we didn't talk about are being talked about now."

If government gets into the health business, he says it is because the profession isn't doing its job. "The truth may hurt, but we can no longer abdicate responsibility. It's time physicians felt more of a responsibility to society."

He adds: "But that's changing. Physicians are beginning to offer more. When physicians understand all women have a right to determine their own destiny, and that what we are really talking about is reproductive freedom and health care, the fight will be over." □



126 MacNider



If we haven't believed it until now, surely proposition 13 in California and related events make it clear that we face a resource-limited era in the public sector. This of course includes higher education.

Since the School of Medicine depends heavily on both federal and state dollars to meet its many responsibilities, and since there are many significant unconsummated opportunities for service, the immediate future must be viewed with understandable concern.

The State of North Carolina has recently made major, continuing commitments to expanded programs in higher education: a second state medical school; a veterinary school; needed efforts to eliminate racial duality, and substantially increased aid to private colleges and universities, to mention a few. What do these commitments mean with respect to existing institutions and their responsibilities in a time of fiscal constraint?

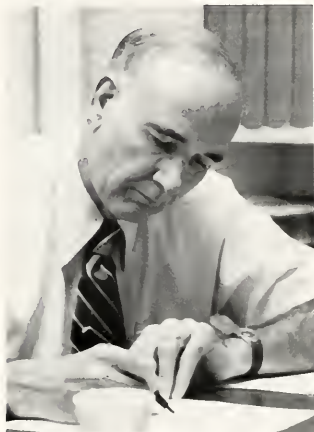
They certainly mean that attention must be paid to the support and maintenance of the quality of those institutions which have served North Carolina so well through multiple sources of revenue, such as the School of Medicine in Chapel Hill.

It will be our responsibility at the school to keep alumni and friends informed about the needs of the school and those it serves in relationship to the priorities of the state as we tighten our collective belts. To that end, we have had, for almost a year, a special planning committee working to develop and articulate the collective wisdom and foresight of the faculty in priorities for the future. Clearly there is much that we can do to serve mankind and the State of North Carolina, if the resources are available. Let us hope that the decision-makers in our state will have the wisdom to sustain her key institutions in quality and productivity as the future unfolds and to make exquisitely rational decisions about new commitments elsewhere. □

A handwritten signature in cursive script that reads "Christopher C. Fordham, III". The signature is written in dark ink on a light background.

— Christopher C. Fordham III, M.D., dean

Alumni asked for Centennial-year support



Dr. Tyndall

Organizational work has begun for the 1978-79 Medical Alumni Loyalty Fund, reports MAA President Dr. James H. M. Thorp, '57, of Rocky Mount. "This will be the centennial year and I hope we can start the second 100 years on a positive note of support," he said in a letter to alumni.

Last year 710 alumni contributed a record \$52,818 to the fund. Nearly

400 became members of the Centennial Club by making \$200 gifts.

Thorp noted that there are 2,730 alumni of the school, plus about 1,600 former North Carolina Memorial Hospital housestaff members and 500 members of the faculty. Former housestaff and faculty are, according to the bylaws, considered members of the Medical Alumni Association.

"Each of us have been the recipients of outstanding educations from our school of medicine," Thorp said. "Therefore, I think we each owe a tremendous debt. The loyalty fund is a good way to help discharge this debt."

Money raised for the fund goes to underwrite activities that can't be paid for with state funds, including scholarships, special projects and alumni communications.

Dr. Durwood Tyndall, '54, of Goldsboro will serve as chairman of the fund effort again this year. Helping him will be Dr. Rose Pully, '49, of Kinston and Dr. Paul Biggers, '63, of Chapel Hill.

"I'm personally very grateful to every individual who participated in the Loyalty Fund last year. I'm gratified by the high level of support

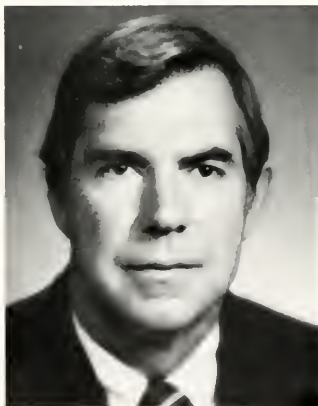
we have been able to show the school," Tyndall said.

"This year, it's my hope that our volunteers will find an even deeper commitment among their classmates and that we'll break another record."

Tyndall, Pully and Biggers are at work now recruiting about 60 class chairpersons to help spearhead the fundraising. Each class chairperson, with the support of the Alumni Office in Chapel Hill, will recruit class agents to help in solicitation of his or her class.

"There could be as many as 350 alumni working in this year's fund," said Betsy Briscoe of the Alumni Office. If we get this kind of help, we can't help but be successful." □

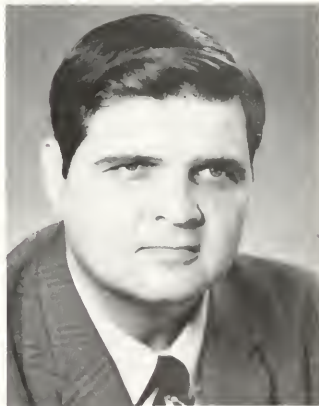
Dr. Edwin A. Rasberry Jr., '39, of Wilson was inadvertently omitted from the 1977 Loyalty Fund list which appeared in our last issue. Rasberry has served as a Loyalty Fund class chairman for several years. The Alumni Office regrets the omission.



Dr. Thorp



Dr. Pully



Dr. Biggers

Medical education in Australia

By Dr. Joseph A. Buckwalter

This report is based upon my observations, conversations and reading during the six weeks I was visiting professor in the department of surgery of the Royal Melbourne Hospital, the largest teaching hospital of the University of Melbourne Medical School (1). The second largest city in Australia with a population of almost three million, Melbourne is the capital of the state of Victoria. The population is heterogeneous. Approximately 185,000 Greek and 110,000 Italian immigrants have arrived since the end of World War II. Melbourne has a climate similar to Wilmington, North Carolina with an annual rainfall of about 25 inches.

The nine Australian medical schools are: Universities of Melbourne and Monash in Melbourne, the Universities of Sydney and New South Wales in Sydney, the University of Queensland in Brisbane, the Universities of Adelaide and Flinders in Adelaide, the University of Tasmania in Hobart and the University of Western Australia in Perth. The nine medical schools produce about 1,800 physicians each year, about the number lost to medical practice through death, retirement and emigration. However, when the substantial number of physicians immigrating are considered, there is concern in government and medical circles that there is or there soon will be a physician surplus.

All medical schools are supported by public funds from six states and the national government. There is no tuition. Students pay fees not exceeding \$150 a year and purchase their books. Based upon need, about half the medical students receive a living allowance, \$40 a week.*

The competition is stiff for admission to medical school. The University of Melbourne Medical School, founded 1864, the oldest Australian medical school, selects 220 first year

admission to medical, law and other schools. More than 90% of the medical students are residents of the state of Victoria. Thirty percent are women. It is unusual for students to be accepted by any medical school from another state; a few highly qualified applicants from other countries are accepted.

Using the U.S. grade point system, the lowest grade point of students accepted by the University of Melbourne School of Medicine in 1977 was 3.2. The Australian educational system, as its British progenitor, is much more examination and grade oriented than ours. Medical school acceptance and the quality of the internship and postgraduate training position which the applicant receives, is almost entirely determined by the applicant's grades. Tension, anxiety and sleep loss interfere with the student's ability to constructively participate in educational activities during the time just prior to examinations. The pass rate is more than 85% during all years.

In addition to the Royal Melbourne, nine other hospitals with a total of more than 3,000 beds, provide clinical teaching material for the medical school. The Royal Melbourne



I learn to help the suffering

students from among more than 1,500 qualified applicants. A high school certificate (diploma) obtained after 12 years of schooling, by passing an external examination, is required for

Dr. Buckwalter is professor of surgery at the School of Medicine.



Royal Melbourne Hospital at the University of Melbourne Medical School, Victoria, Australia.

Hospital completed in 1942, a modern 680 bed hospital equipped with the most up-to-date diagnostic and therapeutic facilities, is well maintained and fully staffed with medical and paramedical personnel. The 45 bed professorial general surgical unit, one of the five surgical services at the Royal Melbourne Hospital, is staffed by the professor and chairman of the department of surgery, a first assistant, four senior lecturers and a housestaff consisting of two registrars (residents) and two interns. As in Britain, the professorial unit with a full-time attending staff has a heavier medical student load than the other four surgical units at the Royal Melbourne Hospital, staffed by part-time attending surgeons.

Most members of the full-time University of Melbourne Faculty of Medicine conduct basic and/or clinical research. Laboratory space and some technical assistance is provided by the hospital and medical school. Substantial financial support is available from the Australian Federal Government. Additional support for research comes from research agencies such as the Australian Cancer

Council, Inc., the Heart Foundation and the Kidney Foundation and U.S. sources. No indirect costs are deducted from Australian research grants. Medical student participation in research is not provided for in the curriculum. There are students who do basic and clinical research because of their unusual motivation, ability and opportunity.

During my visiting professorship, I became a member of the professorial surgical unit. The activities of the department of surgery in which I participated, included medical student teaching, rounds, staff meetings, surgical grand rounds and surgical pathology, research, x-ray, preoperative and morbidity-mortality conferences, head and neck, endocrinology, vascular surgery, gastrointestinal and nephrology conferences and clinics.

The medical school organization and curriculum are similar to that of British medical schools. The curriculum of the University of Melbourne Medical School is as follows:

First year: Chemistry; physics; biology; biostatistics; human growth, development and behavior.

Second year: Anatomy; histology; embryology; biochemistry.

Third year: Anatomy; histology; embryology; biochemistry; medical studies; pathology; pharmacology and microbiology.

Fourth year: Clerkships in medicine and surgery, community health and psychiatry. Examinations are given at the end of this year.

Fifth and Sixth years: Additional clinical experience in medicine and surgery clerkships in other clinical specialties; and a 16 week optional rotation at another teaching hospital (in Australia or overseas) or with a family physician. During the latter part of the 6th year all students take examinations in the basic and clinical sciences. Passing this examination leads to the degree of MB BS, University of Melbourne.

Each week I conducted two three-hour seminars for six fourth-year students. The fourth year is comparable to the third year of medical education in the United States. The students while on surgery are assigned three or four new patients each, each one of which they write up. The workup includes a history,

physical examination, differential diagnosis, a discussion of the case and the relevant surgical literature. The written case workups are neat, always legible, long, lucid and are characterized by correct grammar and sentence structure and a careful choice of words reflecting the sound grounding in the "nuts and bolts" of English expository writing, British educational system. The average workup requires about five to six hours of student time.

During rounds, seminars and informal discussions, the students are conservatively dressed and well groomed, articulate, courteous, knowledgeable and reserved. Fourth-year students do not scrub on operations. During their surgical experience, students work in the emergency room, do minor procedures including suturing of lacerations. The student's relationship to patients is more formal than in the U.S. The nursing sisters, who play a stronger role than nurses in the U.S. in patient management, sometimes make it difficult for the medical students to obtain histories, properly examine and establish satisfactory relationships with their patients. The students are observers and do not participate in the care of patients.

During the six weeks that fourth-year students are assigned to the professorial surgical unit, they participate in six two-hour seminars concerned with ethical and human values in the practice of medicine. The seminar was conceived, organized and is moderated by Anthony R. Moore, a lecturer in the department of surgery, a Fellow of the Royal Australasian College of Surgeons and recipient of a B.A. degree from Cambridge University. During six two-hour sessions the students consider and discuss readings selected from the literature concerned with the subjects: Patient's experience of illness, relatives' experience of illness, portraits of doctors in literature, landscape of ethics, attitudes toward studentship, hindrance to communication, public regard for professional performance and social aspects of sickness and care. This unique medical educational experience has been described (2) and is the subject of a monograph soon to be published by the University of Melbourne Press.

The most important objective of



the seminars—to allow easy and free-ranging discussions which encourage students to formulate and articulate their own points of view, is achieved. I had the interesting and provocative experience of being the first nonstudent to participate in one of the humanities seminars.

After the completion of medical school and passing the final long and arduous examinations, the student must complete a residence (internship) before he may register to practice medicine. There are no medical licensure examinations. Following the internship the new physician may elect to enter general practice or obtain a position as a registrar (resident) in a medical specialty education program. Postgraduate surgical education is regulated by the Royal Australasian College of Surgeons; similar colleges regulate education in the other medical disciplines. Fellowship in the Royal Australasian College of Surgeons, comparable to accreditation by the American Board of Surgery, is obtained by passing rigorous primary and secondary examinations similar to those given by the Royal College of Surgeons of England. Seven years is usually required.

The medical graduate of the University of Melbourne Medical School is one or two years younger with two years less formal education than the graduate of the University of North Carolina Medical School. The Au-

stralian differs from the U.S. medical education system in the greater time committed to learning to write and speak English, more emphasis placed on basic than clinical science and the greater reliance placed on grades. As a result, the University of North Carolina-educated physician is not as able to express himself in writing or speaking as well, may have less basic information at his disposal and in general is better prepared to assume the responsibility for patient care. It would be to the mutual advantage of the medical schools of the Universities of Melbourne and North Carolina and their students to establish a student exchange program.

Acknowledgements: My appreciation is expressed to Professor Maurice Ewing, Anthony Moore, Harry Ross and Sue Dammery of the Royal Melbourne Department of Surgery for reading and correcting this manuscript.

*One U.S. dollar equals 0.83 Australian dollars, (August, 1977)

Bibliography

1. Buckwalter, Joseph A.: Medical Care and Education in Australia. J.A.M.A. in press.
2. Moore, Anthony R.: Medical Humanities—A New Medical Adventure. N.E.J.M. 295:1479, December 1976. □

Faculty activities and publications

MARY M. HORRES, associate director of the Health Sciences Library, co-chaired the Program Committee for the North Carolina Governor's Conference on Libraries and Information Services held October, 1978.

CLAYTON E. WHEELER JR., M.D., chairman of dermatology, ROBERT A. BRIGGAMAN, M.D. and W. MITCHELL SAMS JR., M.D., professors of dermatology, attended the annual meeting of the American Dermatological Association in West Palm Beach, Fla., March 19-23. Wheeler, president of the American Board of Dermatology, presided over a retreat on recertification March 17 and 18. Sams presented a report on the activities of the Society for Investigative Dermatology and gave a review on the "Immune Mechanisms in Urticaria," and attended a meeting of the Editorial Board of the Archives of Dermatology.

They also attended the annual meeting of the Society for Investigative Dermatology in San Francisco, April 30-May 3. Sams is secretary-treasurer of the society and, along with Briggaman, is a member of the board of directors.

STEPHEN HASKILL, Ph.D., ob-gyn, and STEPHEN RUSSELL, Ph.D., D.V.M., pathology, were among 16 international leaders in the field of cancer research invited to participate in the International Cancer Research Workshop, "In-Situ Expressions of Anti-Tumor Immunity" at Tel Aviv University, June 4-7. The symposium was the first scientific meeting devoted exclusively to in-situ tumor immunity. Haskill and Russell spoke on the current state of

local anti-tumor immunity in host-tumor interrelationships.



Dr. Brinkhous

KENNETH M. BRINKHOUS, M.D., pathology, was selected as a Wellcome Visiting Professor in the Basic Medical Sciences for the 1978-1979 academic year by the Burroughs Wellcome Fund and the Federation of American Societies for Experimental Biology. He is one of 18 selected this year.

As a Wellcome Visiting Professor, he will spend from two to five days teaching and talking with students and faculty at the University of South Florida. He will also deliver a Wellcome Lecture in the Basic Medical Sciences. The program was developed to stimulate interest in the basic sciences and to recognize eminent scientists in the basic research disciplines.

FRANK C. WILSON, M.D., surgery, was appointed by the Board of Directors of the American Academy of Orthopaedic Surgeons as alternate delegate to the fall meet-

ing of the American Medical Association.

WILLIAM J. YOUNT, M.D., bacteriology and immunology, began a year's Kenan leave of absence August 1. Yount will do research on basic immune regulatory mechanisms with Dr. G. L. Asherson, head of immunological medicine, clinical research center, Harrow, England. He will try to discover why antibodies that normally defend against threats, such as harmful bacteria, sometimes become misdirected and damage the body's own tissues.

GORDON B. BURNETT, M.D., psychiatry and director of the psychopharmacology clinic, chaired a symposium on "New Psychopharmacology" at the 131st Annual meeting of the American Psychiatric Association in Atlanta, Ga. on May 8-12, 1978. He also presented a paper on "Neuroendocrine-Drug Relations in Tardive Dyskinesia" in the "New Research" sections with ART PRANGE JR., M.D., psychiatry.

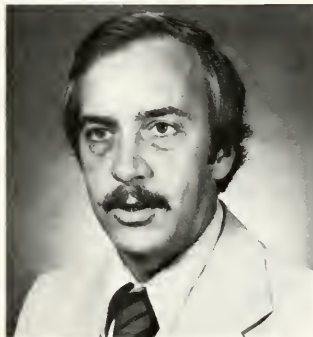
PAUL A. OBRIST, Ph.D., professor of psychiatry, was elected a fellow of the American Psychological Association and of the American Association for the Advancement of Science.

WILLIAM A. RICHEY, M.D., chief resident of the department of radiology, was elected in May chairman of the American Association of Academic Chief Residents in Radiology. The organization represents chief radiology residents across the country especially through the American College of Radiologists. Richey is a graduate of the School of Medicine.



Dr. Staab

EDWARD V. STAAB, M.D., radiology, was named the new chairman of the Academic Council, Society of Nuclear Medicine. The Council is composed of all directors of Nuclear Medicine training programs in the United States. He presided over the national meeting of the Council held in Anaheim, Calif., in June. Staab was elected president of the Southeastern Chapter of the Society of Nuclear Medicine.



Dr. Peacock

JACK B. PEACOCK, M.D., assistant professor of surgery and director of the Military Assistance to Safety and Traffic program, was presented the Order of the Longleaf Pine award by the governor April 18 while attending a celebration at Ft. Bragg of the 500th MAST mission by the 57th Medical Detachment.

DENNIS W. ROSS, M.D., Ph.D., pathology, presented "A New Technique for Surveillance of Response to Chemotherapy in Acute Leukemia" at the International Congress of Hematology and Blood Banking Symposium in Paris, July 23-28.

EUGENE P. ORRINGER, M.D., medicine, presented "Ascorbic Acid Mediated Transmembrane Reducing System of the Human Erythrocyte" to the International Society of Hematology meeting in Paris, July 23-30.

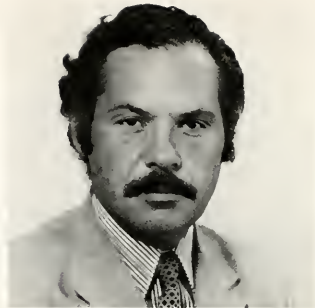


Dr. Proctor

HERBERT J. PROCTOR, M.D., associate professor of surgery, presented "Central Nervous System Dysfunction After Hypoxia and Hypotension" at the Pre-Congress Program of the European Society for Surgical Research in Copenhagen and Stockholm, May 18.

CHRISTOPHER C. FORDHAM III, M.D., dean of the School of Medicine and vice-chancellor for health affairs at the University of North Carolina at Chapel Hill, addressed the American Pharmaceutical Association May 17 at their annual meeting in Montreal, Canada. Fordham spoke on "Health Professional Manpower Issues: A Perspective" during the five-day event which focused on the nation's health care policy.

FRED W. ELLIS, M.D., Ph.D., professor of pharmacology, participated in the Medical-Scientific Meetings of the National Council on Alcoholism in St. Louis, April 30-May 3. Ellis co-chaired a workshop session on experimental studies of the Fetal Alcohol Syndrome. He presented a paper on morphologic abnormalities in the Beagle model of this syndrome and was a panel discussant for the topic. Ellis and JAMES R. PICK, D.V.M., director of the division of laboratory animal medicine, are co-investigators of a research project involving studies of alcohol effects on fetal development.



Dr. Pagano

JOSEPH S. PAGANO, M.D., professor of medicine and bacteriology and immunology and director of the Cancer Research Center, presented "Molecular Pathogenesis of Burkitt's Lymphoma, Nasopharyngeal Carcinoma and Infectious Mononucleosis" at the National Cancer Institute in Bethesda, Maryland, May 12.

JOHN T. SESSIONS, M.D., professor of medicine, was a member of the guest faculty for "Update Gastroenterology-1978," the University of Mississippi's first three-day gastroenterology course for the practicing physician, March 30-April 1 at Jackson, Miss. The course attracted approximately 150 physicians from across the U.S., primarily the Southeast.

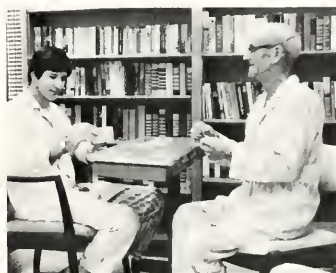
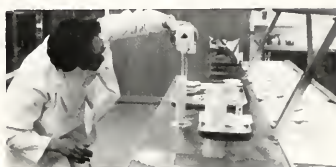
DAVID METZ, M.P.A., associate director of AHEC, presented "Building Linkages Necessary For Successful Health Care Delivery" at the annual meeting of the National Association of Community Health Centers in Louisville, Ky. August 10-11.

WILLIAM G. THOMAS, Ph.D., associate professor of surgery, otolaryngology and audiology, and director, Hearing and Speech Center, was appointed by the North Carolina Department of Labor to serve on the Advisory Council of the Occupational Safety and Health Association for 1978-1980.

W. BONNER GUILFORD, M.D., radiology, was elected president of the Southeastern Society of Skeletal Radiology at its annual meeting in Hilton Head Island, S.C., July 7-9. Guilford presented "Soft Tissue Lesions of Unusual Etiology" during the scientific sessions. □

Extracts

Grant renewal helps CRU continue its investigation



David Farlow takes it easy as nurse Lynn Dudka administers a chemotherapy treatment in Memorial Hospital's Clinical Research Unit. A unique feature of the unit is a research kitchen in which the chemical content of patients' diets can be strictly controlled. While they're on the unit, many patients feel well enough to get out of bed and enjoy each other's company.

"I don't feel like a guinea pig," said David Farlow, "because I've never been treated like a guinea pig."

Farlow, 34, a Greensboro truck driver, is an occasional patient in the Clinical Research Unit at North Carolina Memorial Hospital. Last winter he underwent surgery for removal of a brain tumor and now visits the hospital every few months for follow-up cancer treatments.

Established in 1962 and operated by the School of Medicine, the CRU is one of 83 federally-supported centers for clinical investigation. It is a

highly-specialized, 16-bed patient care unit in which medical scientists study diseases under carefully controlled conditions. The objectives are to discover the causes of complicated disorders and to develop improved treatment methods.

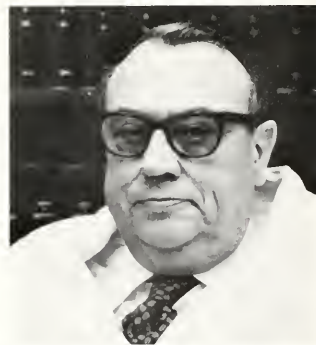
The CRU has received a three-year renewal of funding by the National Institutes of Health. Support will be continued at approximately the current level of \$800,000 a year.

Over the years, a number of studies conducted in the CRU have resulted in major medical advances.

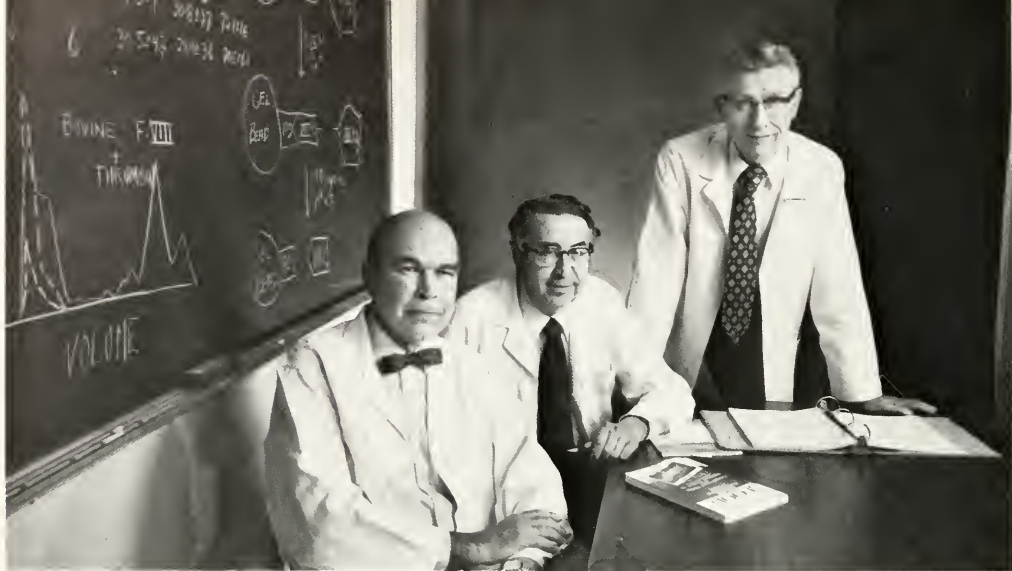
One highlight of the unit's research achievements was the development of a blood clotting agent used in the treatment of hemophilia. This substance, now commercially produced and in widespread use, was first tested on human subjects here.

New investigations aimed at unlocking the mysteries of coagulation disorders are now underway, and the CRU has become a national center for hemophilia research and treatment.

The CRU is largely self-contained, with its own nursing, dietary and laboratory staffs. The laboratory is set up to take measurements and conduct elaborate tests with a meticulous precision that is not usually possible in ordinary hospital labs.



The neurosurgical library at the School of Medicine was dedicated in honor of Dr. Gordon S. Dugger, former chief of the division of neurosurgery. Dugger, a professor of surgery, recently retired after nearly 25 years with the medical school. He was also presented with a portrait and plaque that are displayed in the library.



This photograph, taken by internationally-known photographer Yusef Karsh, honors three School of Medicine faculty members for their pioneer work here in diagnosing various forms of hemophilia. The black and white portrait, unveiled at the medical school in September, features (l to r) Drs. Robert D. Langdell, Robert H. Wagner and Kenneth M. Brinkhous. Twenty-five years ago, they developed the partial thromboplastic time (PTT) test that made it possible to diagnose and treat forms of hemophilia, and led to a greater understanding of thrombosis. Its

developers today remain among the world's authorities in blood coagulation research. Karsh, whose work includes the famous 1941 portrait of a glowering Winston Churchill, said of the physicians: "It is always a challenge to photograph three such diverse personalities and to try to capture in one composite photograph their individual attributes. Upon meeting them I sensed I was in the presence of greatness and quiet dignity, but with it all there was a feeling of humanity."

More research needed for answers to kidney disease

Two School of Medicine physicians told a U.S. House subcommittee in June that money for more basic research is needed if diseases of the kidney and urinary system are to be prevented and cured.

Dr. Carl W. Gottschalk and Dr. William E. Lassiter were part of a team of six scientists who said that limited knowledge of essential life processes is blocking an understanding of kidney diseases that cause some 100,000 deaths each year.

In addition, they noted that the causes and prevention of non-fatal kidney disorders which affect about

12 million Americans annually are still not well understood.

The scientists proposed that current levels of spending for kidney research be increased by 50 to 100 percent over the next several years.

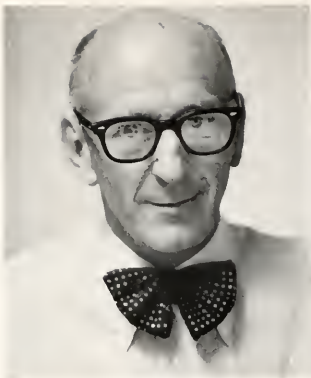
Gottschalk, Kenan professor of medicine and physiology, and Lassiter, professor of medicine, were principal co-investigators of a three-year survey of research needs in nephrology and urology funded by the National Institute of Arthritis, Metabolism and Digestive Diseases, from which the House testimony was based.

Dean to resign from post in '79

Dr. Christopher C. Fordham III has announced that he will step down from the deanship of the School of Medicine effective June 30, 1979. He will continue to serve as vice-chancellor for health affairs and professor of medicine.

He has begun a six-months leave of absence to study various aspects of public planning and financing for health care. Fordham said he plans to study systems in the United Kingdom, and Canada as well as practices in the United States.

Dr. William E. Easterling Jr., chief of staff at North Carolina Memorial Hospital and vice-dean of the medical school, will serve as acting dean in Fordham's absence.



Dr. Dunphy

Dunphy named to NCMH post

Dr. Donal Dunphy, professor of pediatrics at the University of North Carolina at Chapel Hill, has been named associate chief of staff for 1978-79 at North Carolina Memorial Hospital.

His appointment was announced by Dr. William E. Easterling, N.C. Memorial Hospital's chief of staff and acting dean of the UNC-CH School of Medicine.

Dunphy chaired the department of pediatrics at the University of Iowa before joining the medical school faculty in 1973. He has served as the pediatric liaison for the N.C. Area Health Education Center program, is a former acting chairman of the medical school's department of family medicine and serves in an administrative capacity on numerous committees throughout the medical center.

About his new position, he said: "With rapid growth and increase in the faculty, it has been increasingly difficult for each individual to feel a part of the whole. This is true with the house staff as well as the medical staff.

"My work here will also mean a close association with hospital administrators."

"We will face some new challenges relative to the constraints of available funds. Money for building, expansion, research and teaching will all be more difficult to come by and we will have to be very prudent in our use of funds.

Phillips promoted to associate dean

Dr. Marion Phillips, D.Mn., has been named associate dean of the School of Medicine effective July 1. His appointment was announced by Dr. Christopher C. Fordham III, dean.

An assistant dean for student affairs at the medical school since 1973, Phillips holds a masters of theology and doctor of ministry degrees from the University of Chicago.

As an associate dean, he will continue to lead student affairs responsibilities involving student admissions, promotions and counseling, including a special interest in minority students.



Dr. Phillips

His expanded duties include such personnel relations as grievance and appeals mediation and arbitration and medical school recruitment. Phillips chairs the grievance and appeals committee at North Carolina Memorial Hospital and is a member of the University's EPA non-faculty advisory committee.

He is a member of the student-faculty advisory committee and the ad-hoc committee on medical school environment. He serves as a recruiting advisor to potential medical school applicants in North Carolina and neighboring states, and is national chairperson of the southern region, minority affairs section of the American Association of Medical Colleges.



Dr. Jones

Department chair is announced

Dr. Mary Ellen Jones has been appointed professor and chairman of the department of biochemistry and nutrition in the School of Medicine.

Jones comes to Chapel Hill from the School of Medicine at the University of Southern California where she has been a professor of biochemistry since 1971.

Prior to joining the faculty of the University of Southern California, she served as associate professor, then as professor in the UNC-CH departments of biochemistry and zoology.

After receiving her B.S. degree from the University of Chicago and her Ph.D. degree from Yale University, Jones taught in the graduate department of biochemistry at Brandeis University, Waltham, Mass. At Brandeis she was a Scholar of the American Cancer Society.

Jones is the author of more than 50 research papers and is a member of the editorial board of the Journal of Biological Chemistry.

She is a member of the American Society for Biological Chemists and is that body's representative to the Association of American Medical Colleges. She holds memberships in the American Association for the Advancement of Science and is a former chairman of the nominating committee of the biochemistry division of the American Chemical Society. She has held numerous fellowships and consultantships.

Hepatitis can be a hazard to some health professionals

Some forms of hepatitis may be an occupational hazard for such health professionals as dentists, physicians and oral surgeons, says Dr. James J. Crawford, associate professor of oral biology and endodontics at the School of Dentistry.

Social habits of young people, especially those from urban areas, may increase this risk, he says.

Crawford is teaching dentists ways to guard against the disease through workshops and seminars pioneered by microbiologists across the nation.

Recent studies show that viral hepatitis-B is spread not only by blood but by saliva, Crawford says. Health professionals who come in close contact with saliva or blood from infected persons are particularly vulnerable to accidental infection.

How does it happen?

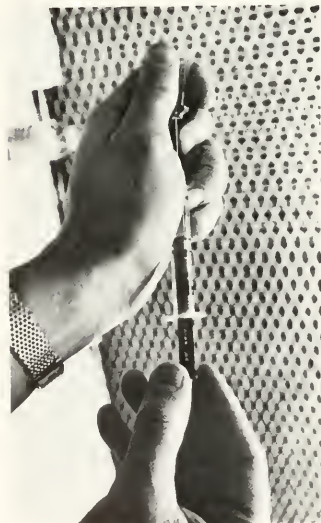
At a party, a teenager shares a bot-

tle of beer with someone he doesn't know. Another teenager will share a smoke with as many as 15 persons. If one of these teenagers has hepatitis, he could pass the infection along to friends, his family physician or dentist during the one-to-five month incubation stage when no symptoms appear.

Blood studies show that 14 percent of general dentists, 18 percent of physicians and 20 to 30 percent of oral surgeons have been exposed to hepatitis B, compared with about five percent of the general public.

Not everyone exposed to hepatitis will become infected. Some of those who do, however, may be silent carriers—never showing any symptoms but still passing the virus along. Others who become ill may still spread the disease once they recover.

Blood disorders will be focus of new center here



Research on clotting and bleeding disorders will be the focus of a new Center for Hemostasis and Thrombosis at the University of North Carolina at Chapel Hill.

Dr. Harold Roberts, professor of medicine and pathology, has been named the Center's director by Dr. Christopher C. Fordham III, dean of the School of Medicine.

The medical school has been recognized as a world leader in research related to coagulation disorders for more than 30 years. Currently, studies in this field at UNC-CH involve more than 30 full-time investigators in seven medical school departments, the School of Dentistry and the department of chemistry.

Roberts said the new Center will coordinate these research efforts so that basic research findings can be applied to the treatment of patients as quickly as possible. □

Deaths

Donald E. Harris, '65, Chapel Hill
Robert A. Pascal, '49, Valdeese
Mary MacFadyen, '29, New York, N.Y.
Hoosic H. Serunian, '27, Worcester, Mass.

Class notes

'15

CLIFTON F. WEST, '15, says he still works five hours a day, 5 1/2 days a week in Kinston.

'16

B. J. LAWRENCE, '16, of South Boston, Va., says he left the farm to come to the University in 1913. Now 85-years-old, he has retired from practice and writes, "I am happy to say that the good Lord has blessed me with very, very excellent health and I can still go under my own steam."

'20's

SIDNEY F. PAKULA, '27, is professor of pediatrics and adolescent medicine at the University of Missouri at Kansas City and the Children's Mercy Hospital. He and his wife Dora have raised three medically-minded sons: Laurence, an associate professor of pediatrics at Johns Hopkins; Stephen, an associate professor of pediatrics at Stanford and Jerry, a pharmacist in Kansas City.

'30's

MAX NOVICH, '39, was recently promoted to clinical professor of surgery at the College of Medicine and Dentistry of New Jersey, New Jersey Medical School.

RALPH B. GARRISON, '31, of Hamlet, says he still makes housecalls, but broke his left arm while doing so last February. Garrison is working part-time while looking for someone to take over his practice. He spends the afternoons playing golf.

LOUIS APPEL, '31, of Flushing, N.Y., writes, "As a northerner who went south in the twenties and never forgot the school, I greet you. I am now a grandpa in

fact, and have children who do not consider medicine as a vocation.

"Thoughts of the days of Drs. Charley, Mangum, Manning and Ol' Skeeball, all bring back memories of days gone by.

"The last time I went down to an alumni reunion, I could not recognize a single face. It was very depressing and I'm scared to go back for that reason.

"Chapel Hill—days of Sir Lancelot of which I continue to dream."

JOSEPH M. SHACHTMAN, '33, of Beverly Hills, Calif., is director of cardiology at Midway Hospital and is continuing his private practice. He says his son William is an ophthalmologist in Ft. Collins, Colo., son Robert is an architect in Newport Beach, Calif., and daughter Judy is teaching in Tahoe, Calif. Shachtman has five grandchildren.

WILLIS B. MITCHELL, '34, retired seven years ago in Medford, N.J.

THOMAS A. HENSON, '35, of Greensboro, says he is a grandfather. Grandson Frank T. Holcombe, 14-months, "will be entering Carolina in the fall of 1995, hopefully as a pre-med student." Henson has six children, three sons and three daughters. Two sons, John and Steven, are students at the University. He says he enjoyed the medical alumni weekend in April.

LAURA ROSS-VENNING, '36, is retired except for the few hours a week she spends as a consultant at the Center for Human Development in Charlotte. Her four grandchildren live in North Carolina.

BENJAMIN C. BARNES, '36, of Bethlehem, Pa., has been medical director of the Muhlenberg Medical Center since 1970.

J. B. CALDWELL, '39, of Gastonia, retired from practice August 15.

40's

ROSE PULLY, '40, of Kinston, retired in 1976 after a 22-year practice in family medicine. She was one of three alumni of the University of North Carolina at Greensboro to receive the Alumni Service Award this year. Pully was a leader in

establishing a mental health program in Lenoir County and has been involved in a variety of civic and medical affairs. She has contributed financially and professionally in cancer and respiratory programs. In 1975, she received the Chamber of Commerce's Citizen of the Year Award from Kinston and Lenoir County as well as a Distinguished Service Award from the School of Medicine.

ROWENA SIDBURY HALL, '41, practices pediatrics and is associated with the Montgomery County Health Department in Bethesda, Md.

EDWIN B. PARKINSON, '43, practices ob-gyn in a three-man group in Greenville, S.C.

J. STUART GAUL JR., '44, practices orthopaedic surgery and surgery of the hand in Charlotte. He is chief of the department of orthopaedic surgery at Charlotte Memorial Hospital and medical center and is director of the Hand Clinic. He and his wife Rose Marie have three children: Emily, a graduate of the University of Delaware; John III, a graduating senior at UNC-CH and William, who is a junior here.

BENJAMIN M. GOLD JR., '45, practices ob-gyn in Rocky Mount. He has two sons, ages 19 and 13.

EDWARD L. WEBB, '46, of Montgomery, Ala., is recovering from a myocardial infarction experienced last January. He hopes to return to private practice soon. Webb practices pediatric and adult allergy in a three-man group.

MARY ALICE VANN FOX, '46, of Bethesda, Md., has worked in public health for ten years. She is chief of the infant and child services division of the Montgomery County Health Department. Her husband Sam is in charge of the cardio exercise program at Georgetown University. They have four children: Elizabeth, who is working toward her master's degree in English; John, a second-year student of the Yale Divinity School; Sam IV, a recent graduate of the Naval Academy who is at the Navy's nuclear power school and Emily, a sophomore at the University of Vermont. Fox says she "would like to see any alumni of the class of '46."

IRA A. ABRAHAMSON, '46, of Cincinnati, Ohio, was guest speaker at the 7th Biennial Walter Reed Army Ophthalmology Institute of Research Post Graduate and Alumni meeting in Washington, D.C. His topic was "Ophthalmic photography of the anterior segment."

THOMAS E. WHITAKER II, '46, of Greenville, S.C., is the senior member of a group of 14 radiologists there. Whitaker says he fishes and hunts whenever he can and enjoys the *Bulletin* and other publications from Carolina.

EDWARD C. SUTTON, '49, has practiced ob-gyn in Burlington since 1963. He is president of the North Carolina Obstetrical and Gynecological Society.

50's

JOHN L. WATTERS, '50, of Raleigh, writes that he is "finally back in God's country after nearly 20 years, eventful and interesting, in Yankeealand." Watters works in occupational safety and health at The Becton, Dickinson Research Center in the Research Triangle Park. "Anyone who finds his or herself in this vicinity, please come by to see us."

S. KENDALL WILLIS JR., '50, of Mt. Holly, writes that he and wife Gloria "had a delightful trip to Treasure Cay in the Bahamas to break in our new airplane. The meeting was made all the more pleasant by running into GRIMES BIRELY, '50, who had also flown out with his son." Willis' son, H. S. Kendall III, is a physician in the Air Force and in a family practice residency.

PAUL W. BOYLES, '51, of Cary, says he is busy with his practice and clinical research while his wife, Dorothy, runs the office. They have two sons in college at N.C. State, a son and daughter in junior high school and one son on the dean's list at Hargrave Military School in Chatham, Va. Janaki R. Setty recently joined Boyles' medicine practice.

GEORGE T. WOLFF, HS, '53, is associate professor of family medicine and director of the family practice residency program at Moses H. Cone Memorial Hospital in Greensboro. He also serves as vice-president of the American Academy of Family Physicians.

JAMES H. M. THORP, '57, of Rocky Mount and MAA president, married the former Alice D. Saunders of Norfolk Saturday, Sept. 2.

ROBERT H. VINSON, '54, of Vero Beach, Fla., says he helped start the tradition of medical school graduates going to the University of Florida for pediatric residencies and then to the University of Iowa Hospitals for further training. He says there are more than 15 graduates of both programs working in North Carolina. Vinson has five children.

W. JACK GRANT, '54, practices in Winston-Salem and works with Bowman-Gray in the psychiatric unit of Forsyth Memorial Hospital.

He and his wife took a trip to the Holy Land, Egypt, Athens and Rome. Their daughter is working as a medical social worker at Forsyth Memorial Hospital and their son is a student at N.C. State University. He says he is looking forward to the "five-year reunion next year."

JAMES W. FRESH, '57, retired from the Navy medical corps in 1976. He is in general practice in Oriental, near the coast on the Neuse River. He says "it is terribly expensive getting started."

JEAN H. MENETREZ, HS, '57, of Bethesda, Md., has served as staff psychiatrist with the Washington Institute of Mental Hygiene; chief of D. C. Alcoholic Rehabilitation Division and member of the Commission on Mental Health of the U.S. District Court for D.C. He is a Fellow of the American Psychiatric Association, the American Academy of Psychoanalysis and of the Royal Society of Health. Menetrez is associate clinical professor of psychiatry at George Washington University Medical School and a member of the faculty of the Washington Psychoanalytic Institute where he has taught Ego Psychology. He and wife Janet have three children: Jennifer, 14; Frank, 12 and Carole, 10.

ROBERT T. WHITLOCK, '57, of Tenafly, N.J., teaches and practices medicine and gastroenterology at Columbia-Presbyterian Hospital in New York City. He and his wife have four children: Dave, who recently graduated from college; Tom and Emmy, who are still in college and Rob, who is in high school. He says he and his wife both still miss Chapel Hill.

NANCY PRITCHETT FAWCETT, '58, is associate professor of pediatrics at the University of Miami, Fla. She and her husband have two children, a son, 17, and a daughter, 13. Fawcett says they enjoy their free time on Long Key in a weekend cottage. She added, "I had a delightful time at the 20th reunion recently in lovely Chapel Hill."

JOHN R. PATTERSON, '58, of Danville, Va., says he was unable to attend his class reunion because he went to Hilton Head for the Virginia Ob-Gyn Society meeting. PAUL CAP, '58, was there attending the Eastern Radiologic Society meeting. Patterson says they had their own "mini-reunion". "All we needed was our old roommate Clarence Bailey, and our beer-drinking dog for old times sake."

CECIL L. BARRIER, '59, is in general practice in Lawndale. He married Mary Lou Lamn in 1960 and they have one son, Cecil Lee Jr., 16. Barrier is the medical director of Oasis Shrine.

G. THOMAS WOOD III, '59, is at Hil-

ton Head Hospital where he says he is available for tennis, golf or talking surgery.

60's

DUNCAN S. OWEN JR., '60, was promoted to professor of medicine at the Medical College of Virginia Hospital.

ELLIOTT SOLOMON, '60, is in private practice in otolaryngology in Scarsdale, N.Y. He is a fellow of the Academy of Ophthalmology and Otolaryngology and the American College of Surgeons. He serves as president of the Westchester Chapter, American College of Surgeons; vice-president of White Plains Hospital Medical staff; is a member of the Board of Governors of White Plains Hospital and governor of the Metropolis Country Club. He and wife, Susan, have three children: Scott, 14; Beth Ann, 12 and Nancy, 10.

WILLIAM C. PATTON, '62, practices orthopaedics in Chattanooga.

WILLIAM JAMES MURRAY, HS, '62, of Durham, is associate professor of anesthesiology at Duke University Medical Center, adjunct associate professor of pharmacy at the University of North Carolina at Chapel Hill and serves on the courtesy staff at Durham County General Hospital. He is a member of the North Carolina Utilization Review Board and has written or co-authored more than 30 publications. Murray and his wife Therese have two sons and a daughter.

DAVE M. DAVIS, '63, is director of psychiatric services for the Peachtree-Parkwood Mental Health Center and Hospitals in Atlanta. He teaches at Emory University Medical School and at Georgia State University. Davis recently took his youngest son, Breton, on a three-week trip to the Panama Canal, Chile, Argentina, Brazil and down the Amazon River.

WARREN D. CARTER, HS, '63, retired in 1976 from his post as assistant medical director at the John Umstead Hospital in Durham.

KELLY WALLACE JR., '63, is on the staff of Pitt Memorial Hospital in Greenville and was appointed clinical associate professor of surgery in the School of Medicine of East Carolina University.

WALTER F. MAUNEY, '63, of Sweetwater, Tenn., is in group practice at the Sweetwater Medical Clinic.

WAYNE B. VENTERS, '64, of Jacksonville, says he is still looking for an associate in orthopaedic surgery. He serves as the recording secretary of the North Carolina Orthopaedic Society for 1977-1978.

RICHARD A. NILES, HS, '64, practices ob-gyn in a four-man group in Lynchburg, Va. Two years ago he was joined by JOHN GILKEY, '72. Niles and his wife, Dorothy, have three daughters.

He will study pulmonary diseases in coal mining industry.

FRANKLIN T. TEW, '69, practices cardiology with three other cardiologists in Orlando, Fla. He was certified in internal medicine in 1972 and served two years in the Navy in Orlando. Tew completed his cardiology fellowship at the University of Alabama in Birmingham in 1976 and was certified in cardiology subspecialty in 1977. He writes that he would love to hear from any of his classmates and looks forward to the 10th year reunion.

MORTON A. MELTZER, HS, '67, has opened the Cary Family Medicine and Ambulatory Care Center with two associates.

70's

JERRY C. BERNSTEIN, '70, of Raleigh, says he and his wife Peggy are the proud parents of a baby girl, Elizabeth Brooks, their first child. He says, "Beth is a real joy and we're on top of the world!"

RICHARD M. FREEMAN, '70, practices pediatrics and adolescent medicine in Auburn, Ala. He has two children: Kelly, 5 and Mac, 3. He says he still makes sourdough bread and pancakes.

WILLIAM C. ALLSBROOK, '70, of Kensington, Md., is a civilian assistant pathologist at the Armed Forces Institute of Pathology in Washington, D.C.

HAROLD (HAL) CAMERON, '70, completed a residency in ophthalmology at the University of Western Ontario in London, Canada in June, and began a one-year fellowship in neuro-ophthalmology at the Pennsylvania Hospital in Philadelphia.

NEIL I. CHAFETZ, '70, writes, "I am finally cutting the cord and getting a job in a radiology group in Southern California." He has completed residencies at UNC in radiology; nuclear medicine at the University of California at San Diego and ultrasound-CT fellowship at the University of California at San Francisco.

JOHN E. HANNA, '70, completed his urology residency in June and will join two urologists in practice in Huntington Beach, Calif. He and his wife Vicki plan to live in Laguna Beach and had their first child in July.

ROBERT B. JONES, '70, completed a fellowship in infectious diseases at the University of Washington in Seattle. He accepted a position as assistant professor in medicine and microbiology/immunology in the Indiana University Medical Center in Indianapolis. He and his wife Barbara have two girls and a boy.

JOE E. GADDY JR., '71, completed a cardiology fellowship at the Medical University of South Carolina in Charleston and moved to Winston-Salem to join the Winston-Salem Health Care Plan, Inc.

ENSER W. COLE, '71, practices internal medicine and oncology in Annapolis, Md. He received a grant from Johns Hopkins to train an oncology nurse practitioner and hopes to develop a small oncology center as a satellite of Johns Hopkins in Annapolis. His third daughter, Katherine, was born June 18, 1977.

MARY S. KIRK FULGHUM, '71, writes that she and husband Jim are finishing their first year in private practice in Raleigh—Jim in neurosurgery and she in ob-gyn. They continue to lecture and teach in the community, particularly at Wake Memorial Hospital. They have two daughters: Molly, 5½ and Emily, 2.

BEATY L. BASS, '71, moved to Hillsborough in September to practice medicine and gastroenterology in Durham, joining a group of three internists. He has two daughters: Karen, 3 and Sara, 6 months.

BRUCE L. KIHLLSTROM, '72, entered private practice in Durham but will maintain his post as clinical instructor in neurosurgery at North Carolina Memorial Hospital. He and his wife Pam have four children: Julie, Laura, Stacy and Lindsay.

RONALD J. STANLEY, '72, practices dermatology in Boone. He and his wife Cheryl have one child, Caroline, 3, and are expecting another child in September.

JOHN R. LURAIN III, '72, is a fellow in gynecologic oncology at the Roswell Park Memorial Institute in Buffalo, N.Y.

ROBERT F. ROTH, HS, '73, is one of the two plastic surgeons at the Lewis-Gale Clinic, one of the largest multi-specialty clinics in Virginia, located in Roanoke-Salem. Last March, Roth adopted a second daughter, Joy Kimberly, 9, of Korea.

FRANK W. STEVENS, HS, '73, practices child and adolescent psychiatry in Nashville. He and his wife Karen have two daughters: Laura, 4 and Katherine, 1.

C. STEWART ROGERS, '73, says he is married with three children. He is in primary family practice with the National Health Science Corporation in Grafton, W. Va.

HUBERT B. HAYWOOD III, '72, has joined Raleigh Internal Medicine Associates.

JOHN C. LONG, '73, practices dermatology in Winston-Salem.

MALCOM N. GOODWIN, HS, '73, says that after leaving Chapel Hill, he

spent three years as assistant professor of pathology at the Medical University of South Carolina in Charleston and served as chief of autopsy services. He practices pathology and is chief of anatomical pathology at St. Francis Xavier Hospital in Charleston. He is also residing Bishop of the Charleston First Ward of the Church of Jesus Christ of Latter-Day Saints. He says that he spends 60 hours a week on his practice and 30 hours a week on church business.

THOMAS B. CANNON, '73, practices family medicine in Winston-Salem with THOMAS W. LITTLEJOHN, '74. Cannon and his wife Nancy have three children: Rachel, 5; Drew, 2 and Claire, 1. He says they enjoy living in Winston-Salem, he still likes sailing and his tennis game is as bad as ever.

MARSHALL F. GOLDBERG, '73, will begin private practice in ob-gyn in Morristown, Tenn.

JAMES N. MARTIN JR., '73, completed the first year of a two-year clinical/research fellowship in high-risk obstetrics at Parkland Hospital in Dallas. Thereafter, he plans to return to the North Carolina-Virginia area either in private practice or in one of the high risk perinatal centers. His wife Gloria works as a counselor with an area individual and family counseling center. They have one son, Brent, 2.

MICHAEL A. WALL, HS, '73, completed a pulmonary fellowship at Children's Hospital in Boston, and will head up the pediatric pulmonary section at the University of Oregon in September, 1978.

DENNIS R. JOHNSON, '73, completed his internship at the Downstate Medical Center in Brooklyn, N.Y. He spent the last three years in Washington, D.C. at the George Washington University Medical Center in ob-gyn where he was chief resident. After completion of his residency in June, he joined the Group Health Cooperative of Puget Sound in Seattle. He and his wife Frannie had their first child in January.

LYNN D. IKENBERRY, '74, practices psychiatry in Chapel Hill.

H. CLIFTON PATTERSON, HS, '74, is a second-year ENT resident at the Massachusetts Eye and Ear Infirmary in Wayland, Mass.

ROBERT M. ALSUP, '74, of Branford, Conn., will finish his residency in otolaryngology at the Yale-New Haven Hospital next year. He and his wife Jean plan to return to North Carolina.

JOHN R. PETEET, HS, '74, has completed a fellowship in consultation-liaison psychiatry at the Peter Bent Brigham Hospital where he is a staff psychiatrist. Peteet is an instructor of psychiatry at the Harvard Medical School in Boston.

Medical parents visit

More than 250 parents of medical students and alumni attended the School of Medicine's 21st Medical Parents Day held here September 30.

The annual event is held to introduce the parents of medical students to the school and its programs.

More than 1,600 parents of students and former students maintain an interest in the Medical Parents Club, a group formed in 1956, only several years after the expansion of the School of Medicine to a four-year program.

The club was started to maintain the interest of parents in the school as

well as to inform them and to help advance the institution.

Since then, members have supported a lounge for the students and have served as trustees for several scholarship funds and a medical students' emergency loan fund.

This year, parents toured the facilities at the School of Medicine and North Carolina Memorial Hospital and attended panel discussions given by faculty and students. Included in the presentation were a slide-tape show of the hospital and reports on the cancer center, the burn center and the hand center.



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Comments

*From the Office of Continuing
Medical Education and
Alumni Affairs*

**By Dr. William B. Wood
Director**



To many alumni the dual offices of Medical Alumni Affairs and Continuing Medical Education are very familiar, but to other alumni they are merely the source of bits of information or solicitors of monetary support. I sincerely hope I can help all alumni recognize the mission of these offices: to provide a continuing relationship with the School of Medicine as a resource for evolving scientific knowledge and the art of medical practice. Both of these compose the common goal of the School of Medicine and "Good Physician," as defined by Dr. MacNider, to assure competent and high quality patient care.

Continuing medical education is not a new concept at the School of Medicine. Indeed, the documented efforts are only a bit younger than our centenarian school. The first organized efforts in continuing medical education in North Carolina occurred in 1913 when the School of Medicine at Chapel Hill, the North Carolina State Board of Health in Raleigh and local medical groups developed two "circuit riding" courses. Didactic presentations, patient case discussion, and public

health measures were presented in a series of intertown visits. Many will acknowledge this as the most difficult of all approaches to continuing medical education. However, it contains many of the pleasurable aspects of direct teacher-learner encounter.

Over the years we may have used other methods to foster the continuing desire of the "Good Doctor" to learn. This has required innovative approaches to deliver a logarithmic expansion of new medical facts—both science and art—to increasing numbers of knowledgeable physicians. The old adage that the physician practices the knowledge and skill with which he left medical school—and becomes out-dated within a decade—has itself become out-dated. In many respects the modern physician must practice medicine with what he has learned *this year* or he becomes out-dated.

To aid in this effort to "keep-up" is increasingly the role of the medical school. We hope the student will leave the formal education years with a sound foundation in current medical knowledge. But it is just as important that the student have an

attitude toward continuing education which will maintain competence and assure high quality patient care.

This *continuum of education* is a joint contract between the practitioner-student and the medical school-educator. Many states have thrust upon the practicing physician a mandatory continuing medical education regulation. Other states, medical societies, and specialty organizations have sought voluntary compliance for recognition or as condition for membership.

From past history, I feel certain the University of North Carolina School of Medicine will maintain a strong commitment to continuing medical education regardless of legislative mandates. This is where you, the Alumni, play an important role. The medical school's closest and most meaningful contact in pa-

tient care is through its alumni. The most representative needs for physician education are obtained through this contact. We must seek increasingly effective means for perception of these needs and their translation into educational productivity. A strong Medical Alumni Association will foster this; therefore, we hope you will be active and vocal in the Association.

The offices of Alumni Affairs and Continuing Medical Education are not joined by happenstance but by design and are dedicated to the service of the practicing physician, especially our medical alumni. I shall make myself as responsive as possible and invite you to call upon our able staff also:

Mrs. Betty Neilson, administrative assistant, Continuing Medical Education, in charge of Continuing Medical Education program planning and development and CME ac-

creditation:

Mrs. Betsy Briscoe, executive secretary, Medical Alumni Association, in charge of alumni affairs planning and correspondence and assistant to Medical Alumni Association officers;

Mrs. Jo Ann Mueller, special secretary for Continuing Medical Education program development and to the alumni office;

Miss Colette Batten, secretary to the director of Continuing Medical Education and Alumni Affairs and personal secretary for clinical activities.

We remain located in MacNider Building in close geographic and functional relationship to the Dean's Office, despite all the renovation and construction. We welcome your personal visits and correspondence. □

Calendar

November

18 Medical Alumni Association, Fall Council Meeting, Carolina Inn

30-Dec. 2 Community Psychiatry Workshop, "Consultation Programming"

December

7-9 Community Psychiatry Workshop, "Fundamentals of Work with Therapeutic Groups"

13 Physical Therapy Workshop, "Biomechanics"

14-16 Physical Therapy Workshop, "The Foot and Ankle"

February

Jan-Feb., First District Medical Society Postgraduate Course, Ahoskie, Edenton, N.C.

1-3 Womack Surgical Society Meeting

8 Medical Alumni Association, Fall Council Meeting, Carolina Inn

9-10 **Centennial Celebration, UNC School of Medicine and Medical Alumni Association Annual Meeting**



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